

**Before the  
FEDERAL COMMUNICATIONS COMMISSION  
Washington, DC 20554**

In the Matter of	)	
	)	
Amendment of Section 73.622,	)	MB Docket No. _____
Digital Television Table of Allotments	)	
For WYMT-TV, Hazard, Kentucky	)	Rulemaking No. _____
(Facility 24915)	)	

To: Office of the Secretary, Federal Communications Commission  
Attn: Chief, Media Bureau

**PETITION FOR RULEMAKING**

Gray Television Licensee, LLC (“Gray”), licensee of full power commercial television station WYMT-TV (“WYMT”), Hazard, Kentucky, hereby requests that the Commission institute a rulemaking proceeding for the purpose of amending the DTV Table of Allotments (the “DTV Table”) contained in Section 73.622(i) of the Commission’s rules.<sup>1</sup> Gray requests that the Commission amend the DTV Table to substitute UHF Channel 20 for VHF Channel 12 with the technical parameters as set forth in the attached Engineering Statement. As set forth herein, grant of this Petition will create a preferential arrangement of allotments by expanding the availability of free over-the-air television service in this market.

The FCC has described the goal of the DTV Table as ensuring the provision of digital television service “to the American people in an expeditious and efficient manner.”<sup>2</sup> In considering channel substitution requests, the Commission considers the

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<sup>1</sup> See 47 C.F.R. §§ 1.401, 1.420, and 73.622(i).

<sup>2</sup> See, e.g., *Amendment of Section 73.622(b), Table of Allotments, Digital Television Broadcast Stations. (Nampa, Idaho)*, Report and Order, 19 FCC Rcd. 4491, ¶ 6 (2004); *Amendment of Section 73.622(b), Table of Allotments, Digital Television Broadcast Stations. (Albany, New York)*, 19 FCC Rcd. 4329, ¶ 7 (2004); see also *Advanced*

petitioner's public interest justification and whether the proposal would comply with the principal community coverage requirements of Section 73.625(a).<sup>3</sup>

This channel substitution serves the public interest because it will resolve significant over-the-air ("OTA") reception problems in WYMT's existing service area.<sup>4</sup> With viewers increasingly reliant on OTA signals to receive the most valued video content,<sup>5</sup> providing a strong broadcast signal is more important than it has been in decades. Yet, the challenges with digital reception of VHF signals are well-documented. Ten years ago, the Commission recognized the deleterious effects manmade noise has on the reception of VHF signals, finding that "the propagation characteristics of these

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*Television Systems & Their Impact Upon the Existing Television Broadcast Service*, 12 FCC Rcd. 14588, ¶ 76 (1997).

<sup>3</sup> See, e.g., *Amendment of Section 73.622(i), Post-Transition Table of DTV Allotments, Television Broadcast Stations (Mesa, Arizona)*, Notice of Proposed Rulemaking, 35 FCC Rcd. 11400, ¶ 7 (2020) ("*Mesa NPRM*"); *Amendment of Section 73.622(b), Table of Allotments, Digital Television Broadcast Stations. (Ontario, California)*, Notice of Proposed Rulemaking, 16 FCC Rcd. 2276, ¶ 3 (2001); *Amendment of Section 73.606(b), Table of Allotments, Television Broadcast Stations; and Section 73.622(b), Table of Allotments, Digital Broadcast Stations. (Moscow, Idaho)*, Notice of Proposed Rulemaking, 17 FCC Rcd. 19447, ¶ 3 (2002).

<sup>4</sup> See *Mesa NPRM* at ¶ 6 (recognizing effect of "VHF propagation challenges"); *Amendment of Section 73.622(b), Table of Allotments, Digital Television Broadcast Stations. (Missoula, Montana)*, Notice of Proposed Rulemaking, 16 FCC Rcd. 2232, ¶¶ 2-3 (2001) (finding that proposal to substitute channels to improve signal coverage and eliminate interference "warrants consideration.").

<sup>5</sup> See, e.g., Parks Associates, *TV Antenna Usage in US Broadband Households Jumped to 25% in 2019 and Is Expected to Grow More as COVID-19 Keeps Consumers at Home* (Mar. 26, 2020), available at <http://www.parksassociates.com/blog/article/pr-02762020> (finding that OTA viewing increased from 15% in 2018 to 25% in 2019); Phil Kurz, TVTechnology, *New Research Reveals Resurgence in OTA Antenna Viewing* (Apr. 29, 2019), available at <https://www.tvtechnology.com/news/new-research-reveals-resurgence-in-ota-antenna-viewing> (finding that viewers consume 19% of viewing time over the air); Nielsen Local Watch Report, *The Evolving Over-the-Air Home* (Jan. 14, 2019), available at <https://www.nielsen.com/wp-content/uploads/sites/3/2019/04/q2-2018-local-watch-report.pdf> (finding that more than 14% of TV households lack cable or satellite service).

channels allow undesired signals and noise to be receivable at relatively farther distances, nearby electrical devices tend[] to emit noise in this band that can cause interference, and reception of VHF signals requires physically larger antennas ... relative to UHF channels.”<sup>6</sup> The Commission also observed the “large variability in the performance (especially intrinsic gain) of indoor antennas available to consumers, with most antennas receiving fairly well at UHF and the substantial majority not so well to very poor at high-VHF.”<sup>7</sup>

Attached is an Engineering Statement prepared by Chesapeake RF Consultants, LLC,<sup>8</sup> which sets forth in detail the proposed WYMT Channel 20 DTV Table specifications. This proposal is in compliance with all relevant technical requirements for amendment of the post-transition DTV Table, including the interference protection requirements of 47 C.F.R. § 73.616 and the 0.5% *de minimis* interference standard with respect to all allotments and assignments, existing and proposed. As the Engineering Statement further demonstrates, the proposed Channel 20 facility will provide full principal community coverage to Hazard, Kentucky.

Although the proposed Channel 20 facilities at 710 kW ERP will result in a slight reduction in WYMT’s predicted population served, the proposed Channel 20 facilities will not create any new white or gray areas. In evaluating the predicted population loss of 15,410 persons, all but 46 individuals—representing just 0.004% of WYMT’s Channel

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<sup>6</sup> See *Innovation in the Broadcast Television Bands: Allocations, Channel Sharing and Improvements to VHF*, Notice of Proposed Rulemaking, 25 FCC Rcd. 16498, ¶ 42 (2010) (recognizing that “VHF channels have certain characteristics that have posed challenges for their use in providing digital television service.”)

<sup>7</sup> *Id.* at ¶ 44.

<sup>8</sup> See Exhibit 1.

12 population—will remain well served with five or more other services following the substitution of Channel 20 for Channel 12.<sup>9</sup> This figure is well under the *de minimis* threshold that the Commission has previously established in the context of assessing loss areas.<sup>10</sup>

As further detailed in the Engineering Statement, the impact of any loss area that may result from the proposed substitution of Channel 20 is further offset by (i) a slight expansion of WYMT’s service area and (ii) continued service to areas not otherwise well-served. The substitution of Channel 20 for Channel 12 will result in a slight expansion of WYMT’s service area, representing a population gain of 8,404 persons. As such, the net population loss as a result of the proposed Channel 12 substitution would only be 7,006 persons. Further, the proposed Channel 20 facility will continue to serve areas that are otherwise not well-served by providing service to 5,938 persons that have access to only three other services and 48,039 persons that have access to only four other services.

For the foregoing reasons, Gray respectfully requests that the Commission grant this Petition and immediately commence a rulemaking proceeding to change the digital allotment for WYMT from Channel 12 to Channel 20 as proposed herein.

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<sup>9</sup> See *Third Periodic Review of the Commission’s Rules and Policies Affecting the Conversion to Digital Television*, Notice of Proposed Rulemaking, 22 FCC Rcd. 9478, 9493, ¶ 38 (2007) (“The Commission is generally most concerned where there is a loss of an area’s only network or NCE TV service, or where the loss area results in an area becoming less than well-served, *i.e.*, served by fewer than five full-power over-the-air signals.”) (footnotes and citations omitted); *Amendment of Sections 73.606(b), Table of Allotments, Television Broadcast Stations; and 73.622(b), Table of Allotments, Digital Broadcast Television Stations (Asheville, North Carolina and Greenville, South Carolina)*, Report and Order, 18 FCC Rcd. 15577, ¶ 4 (2003) (explaining that areas that receive at least five other existing full power services are considered well-served).

<sup>10</sup> See *Application of WSET, INCORPORATED (WSET-TV), Lynchburg, Virginia For Construction Permit*, 80 F.C.C.2d 233, 246 (1980) (finding loss area of population of 500 *de minimis*).

Respectfully submitted,

GRAY TELEVISION LICENSEE, LLC

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Dated: September 1, 2021

Exhibit 1

**Engineering Statement**  
prepared for  
**Gray Television Licensee, LLC**  
WYMT-TV Hazard, KY  
Facility ID 24915  
Ch. 20 710 kW 478 m

This engineering statement has been prepared on behalf of *Gray Television Licensee, LLC* (“Gray”), licensee of WYMT-TV (Facility ID 24915, Hazard KY) in support of a *Petition for Rulemaking* to amend §73.622(i) by changing WYMT-TV’s digital television channel assignment. WYMT-TV is licensed to operate on Channel 12 (file# BLCDDT-20040109ACY). As described herein, *Gray* requests substitution of Channel 20 in lieu of Channel 12 for WYMT-TV.

The WYMT-TV Channel 12 facility is in the VHF spectrum and has proven to be ineffective for satisfactory viewer reception as discussed herein and elsewhere in the petition. The use of Channel 20 would place WYMT-TV in the UHF spectrum which is known to provide robust signal levels for home reception.

*Gray* has determined that many viewers experience significant difficulty in receiving WYMT-TV’s signal. Problems with digital VHF reception by stations in many markets were widely publicized since the 2009 digital transition date. It has been established that indoor reception is difficult for digital VHF stations such as WYMT-TV due to the longer wavelength signal’s inability to readily pass through buildings (the windows are smaller than the wavelength size), the ineffectiveness of many indoor antennas many of which were designed to emphasize the shorter wavelengths for UHF reception, and high levels of manmade and environmental noise.

No change in transmitting location is proposed. The WYMT-TV tower structure corresponds to FCC Antenna Structure Registration (“ASR”) number 1043131. Gray proposes to implement the Channel 20 substitution with a new top-mounted transmitting antenna on the existing tower structure which would replace the existing top-mounted antenna formerly used for WYMT-TV’s analog Channel 27.

The licensed WYMT-TV Channel 12 facility operates with 50 kW effective radiated power (“ERP”) nondirectional with a side-mounted antenna at 398 meters height above average terrain (“HAAT”). *Gray* proposes herein to utilize 710 kW ERP nondirectional on Channel 20 and increase the antenna HAAT to 478 meters.

A summary of the licensed Channel 12 and proposed Channel 20 technical parameters is provided in the following.

**Licensed Channel 12 Parameters (file# BLCDT-20040109ACY)**

FacID	Call	Ch	City	St	Lat	Lon	RCAMSL	HAAT	ERP	DA
24915	WYMT-TV	12	HAZARD	KY	371138	831052	805	397.6	50	ND

**Proposed Channel 20 Parameters**

FacID	Call	Ch	City	St	Lat	Lon	RCAMSL	HAAT	ERP	DA
24915	WYMT-TV	20	HAZARD	KY	371138	831052	889.2	478.0	710	ND

A map is supplied as Figure 1, which depicts the standard predicted coverage contours. As demonstrated thereon, the proposed facility complies with §73.625(a)(1) as the entire community of Hazard will be encompassed by the 48 dBμ contour.

Interference study per FCC OET Bulletin 69<sup>1</sup> shows that the proposal complies with the 0.5 percent limit of new interference caused to pertinent nearby full service and Class A television stations as required by §73.616. FCC processing of this proposal is requested using a 2.0 km cell size and 0.2 km terrain profile increment. The interference study output report is provided as Table 1.

The proposed 710 kW ERP exceeds the maximum allowed for the proposed antenna HAAT of 478 meters permitted by §73.622(f)(8)(i). Section 73.622(f)(5) permits the maximum ERP to be exceeded in order to provide the same geographic coverage area as the largest station within

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<sup>1</sup>FCC Office of Engineering and Technology Bulletin number 69, *Longley-Rice Methodology for Evaluating TV Coverage and Interference*, February 6, 2004 (“OET-69”). This analysis employed the FCC’s current “TVStudy” software with the default application processing template settings, 2 km cell size, and 0.2 km terrain increment. Comparisons of various results of this computer program (run on a Mac processor) to the FCC’s implementation of TVStudy show excellent correlation.



the same market. As demonstrated in Figure 2, the total area within the proposed WYMT-TV Channel 20 noise limited service contour (“NLSC”) is 40,182.2 square kilometers, which essentially matches the 40,182.9 sq. km area of the licensed WYMT-TV Channel 12 facility. Thus, the 710 kW ERP specified herein complies with §73.622(f)(5).

Although the proposed ERP of 710 kW on Channel 20 matches (within 1 sq km) the total area within the licensed WYMT-TV Channel 12 facility, the impact of nonuniform terrain produces minor variations in the resulting NLSC locations. Narrow, sliver-shaped regions of NLSC gain and loss will result from the proposed channel substitution. Figure 2 depicts the proposed WYMT-TV Channel 20 resulting NLSC gain and loss areas along with the NLSC of overlapping alternative authorized television services. The stations providing the alternative services are listed in Table 2. The areas on Figure 2 that are tinted yellow represent locations where there are less than 5 other TV services. A summary of the number of alternative services for the loss area is provided on the map and in the following table.

**Loss Area Analysis – Standard FCC Contours**

WYMT-TV Population Within NLSC	(2010 census)	
Licensed Ch. 12 Total:	1,181,512	
Proposed Ch. 20 Total:	1,174,506	
Gain Area Population:	8,404	
Loss Area Population:	15,410	
Common Area Population:	1,166,102	
Number of Other Services	<u>Loss Pop</u>	<u>Gain Pop</u>
0	0	0
1	0	0
2		0
3		0
4	46	0
5 or more	15,364	8,404
Total Change	15,410	8,404
Total less than 5 services	46	0
Total less than 5 (percentage)	0.004%	0.000%

The licensed Channel 12 facility’s NLSC encompasses 1,181,512 persons and the proposed Channel 20 facility’s NLSC would encompass 1,174,506 persons. The resulting NLSC loss population is 15,410 persons, of which only 46 persons would have less than five other services

representing 0.004 percent of the total population within the licensed WYMT-TV Channel 12 NLSC. The FCC has previously found that population loss of less than 500 persons is *de minimis*.<sup>2</sup> Nearly all of the NLSC loss area population (15,364 persons) is well-served, having 5 or more other TV services. The proposal will result in the WYMT-TV NLSC expanding slightly in some directions, representing a gain of 8,404 persons.

The proposed Channel 20 facility would continue to provide NLSC coverage to areas that are not well-served. As shown in the following table the proposed WYMT-TV will provide TV service to 5,938 persons that have three other services available and to 48,039 persons that have four other services. Over 5 percent of the proposed WYMT-TV Channel 20 NLSC population is in areas that have fewer than five other services, involving 53,977 persons.

<b>Service Count Population Report Proposed WYMT-TV Ch. 20 NLSC</b>			
Within NLSC	Population	Area (sq. km)	
-----	-----	-----	
0 Other Service	0	0.00	
1 Other Service	0	0.00	
2 Other Service	0	0.00	
3 Other Service	5,938	644.91	
4 Other Service	48,039	2188.72	
5 or more Other Service	1,120,529	37348.54	
Total NLSC	1,174,506	40182.17	
	Population	Running Total	Percent
0 Other Service	0	0	0.0 %
1 Other Service	0	0	0.0 %
2 Other Service	0	0	0.0 %
3 Other Service	5,938	5,938	0.5 %
4 Other Service	48,039	53,977	4.6 %
5 or more Other Service	1,120,529	1,174,506	100.0 %

## Conclusion

The proposed channel substitution complies with the FCC's principal community coverage requirements of §73.625 and the interference protection requirements of §73.616. Areas of NLSC loss created that are not well-served contain a *de minimis* population of 46 persons.

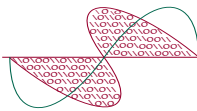
<sup>2</sup>See *WSET, Inc.*, 80 FCC 2d 233, 246 (1980).

List of Attachments

Figure 1	Proposed Coverage Contours
Figure 2	Coverage Contour Comparison Gain-Loss Area Analysis
Table 1	TVStudy Analysis of Proposal
Table 2	Authorized Alternate Television Services

**Chesapeake RF Consultants, LLC**

Joseph M. Davis, P.E.	July 16, 2021	
207 Old Dominion Road	Yorktown, VA 23692	703-650-9600

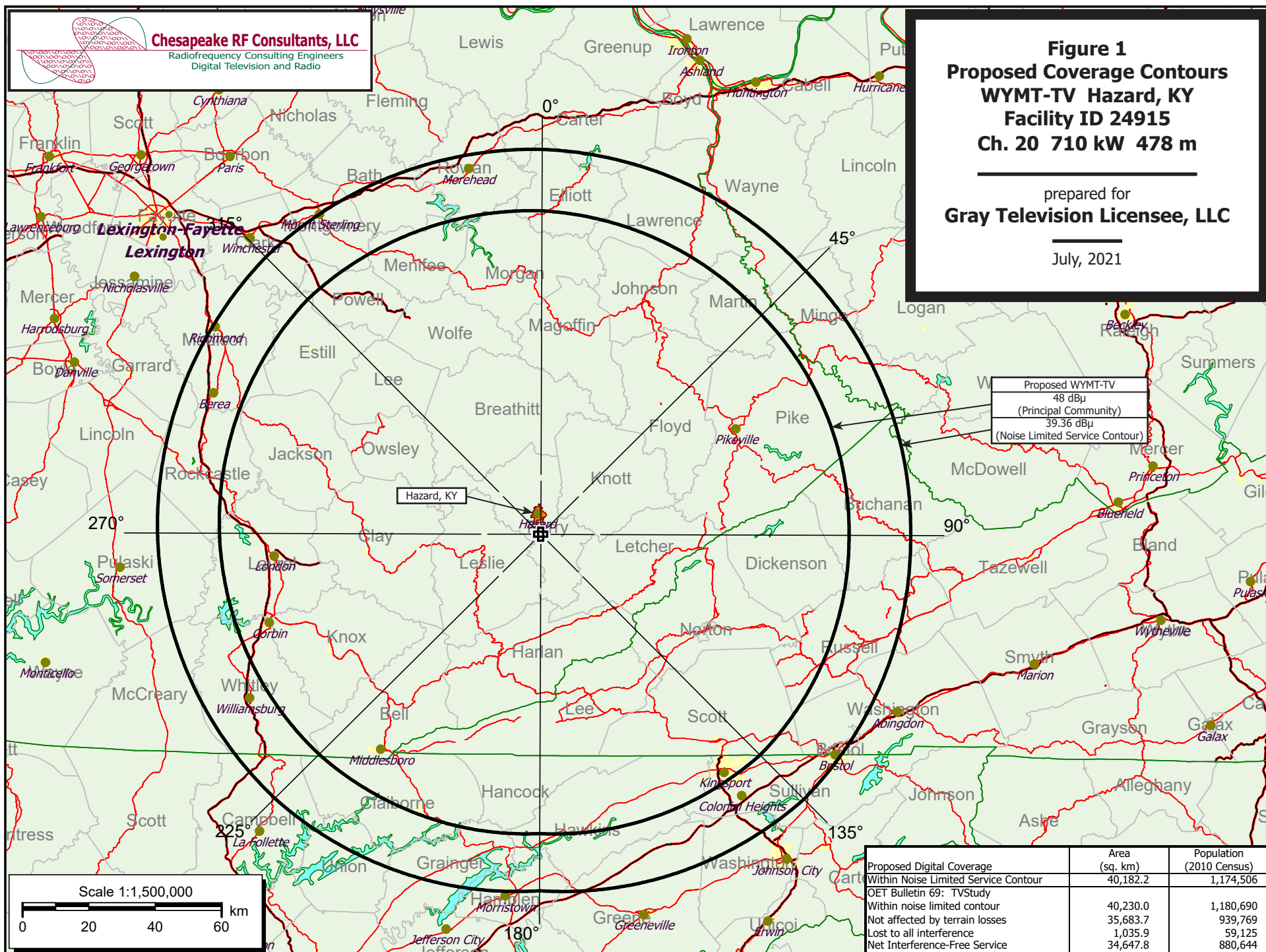


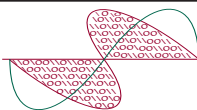
**Chesapeake RF Consultants, LLC**  
Radiofrequency Consulting Engineers  
Digital Television and Radio

**Figure 1**  
**Proposed Coverage Contours**  
**WYMT-TV Hazard, KY**  
**Facility ID 24915**  
**Ch. 20 710 kW 478 m**

prepared for  
**Gray Television Licensee, LLC**

July, 2021





**Chesapeake RF Consultants, LLC**  
Radiofrequency Consulting Engineers  
Digital Television and Radio

WYMT-TV Licensed Ch. 12  
BLCDT-20040109ACY  
36 dBμ Contour (NLSC)  
40,182.9 sq. km

**Lexington-Fayette**  
**Lexington**

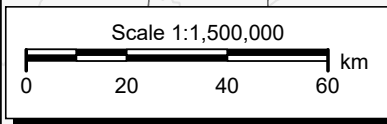
Proposed WYMT-TV Ch. 20  
39.36 dBμ Contour (NLSC)  
40,182.2 sq. km

Contours plotted per FCC TVStudy default  
method using 8-radial HAAT and for UHF  
stations are adjusted with dipole factor.

**Figure 2**  
**Coverage Contour Comparison**  
**Gain-Loss Area Analysis**  
**Alternate TV Services**  
**WYMT-TV Hazard, KY**  
**Facility ID 24915**  
**Ch. 20 710 kW 478 m**

prepared for  
**Gray Television Licensee, LLC**

July, 2021



WYMT-TV Population Within NLSC		(2010 census)	
Licensed Ch. 12 Total:		1,181,512	
Proposed Ch. 20 Total:		1,174,506	
Gain Area Population:		8,404	
Loss Area Population:		15,410	
Common Area Population:		1,166,102	
Number of Other Services		<u>Loss Pop</u>	<u>Gain Pop</u>
0		0	0
1		0	0
2		0	0
3		0	0
4		46	0
5 or more		15,364	8,404
Total Change		15,410	8,404
Total less than 5 services		46	0
Total less than 5 (percentage)		0.004%	0.000%

# **Table 1 WYMT-TV TVStudy Analysis of Proposal** (page 1 of 12)



tvstudy v2.2.5 (4uoc83)  
Database: localhost, Study: WYMT-TV Ch20\_710KW 2.0-0.2, Model: Longley-Rice  
Start: 2021.07.16 09:45:21

Study created: 2021.07.16 09:45:21

Study build station data: LMS TV 2021-07-16

Proposal: WYMT-TV D20 DT APP HAZARD, KY  
File number: WYMT-TV Ch20 710KW  
Facility ID: 24915  
Station data: User record  
Record ID: 3769  
Country: U.S.  
Zone: II

Search options:  
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	WDKY-TV	D19	DT	LIC	DANVILLE, KY	BLANK0000072980	126.2 km
Yes	WDKY-TV	D19	DT	CP	DANVILLE, KY	BLANK00000127585	126.2
Yes	WKPZ-CD	D19	DC	LIC	KINGSPORT, TN	BLANK0000001584	91.0
Yes	WKPZ-CD	D19	DC	LIC	KINGSPORT, TN	BLANK00000001597	91.0
No	WANN-CD	D20	DC	LIC	ATLANTA, GA	BLANK00000092680	390.7
No	WDNN-CD	D20	DC	LIC	DALTON, GA	BLANK00000098043	319.5
No	WTSN-CD	D20	DC	LIC	EVANSVILLE, IN	BLDTL20120328AJA	370.7
No	WFFT-TV	D20	DT	LIC	FORT WAYNE, IN	BLANK00000086952	468.5
Yes	WUNF-TV	D20	DD	LIC	ASHEVILLE, NC	BLANK00000093577	226.4
No	WUNC-TV	D20	DT	LIC	CHAPEL HILL, NC	BLANK00000138116	387.7
Yes	WLWT	D20	DT	LIC	CINCINNATI, OH	BLANK00000087261	244.4
Yes	WLWT	D20	DT	CP	CINCINNATI, OH	BLANK00000127507	244.4
No	WPGH-TV	D20	DT	LIC	PITTSBURGH, PA	BLANK00000112578	458.5
Yes	WZTV	D20	DT	LIC	NASHVILLE, TN	BLANK00000115725	338.0
No	WHSV-TV	D20	DT	LIC	Massanutten, VA	BLANK00000063970	357.0
Yes	WKYT-TV	D21	DT	LIC	LEXINGTON, KY	BLANK00000074953	142.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D20  
Latitude: 37 11 38.00 N (NAD83)  
Longitude: 83 10 52.00 W  
Height AMSL: 889.2 m  
HAAT: 478.0 m  
Peak ERP: 710 kW  
Antenna: Omnidirectional  
Elev Pattn: Generic  
Elec Tilt: 0.75

39.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	710 kW	513.8 m	115.8 km
45.0	710	466.2	112.3
90.0	710	453.3	111.3
135.0	710	466.0	112.3
180.0	710	407.2	107.2
225.0	710	471.0	112.7
270.0	710	506.3	115.3
315.0	710	540.0	117.5

ERP exceeds maximum  
ERP: 710 kW ERP maximum: 576 kW

Distance to Canadian border: 500.1 km

Distance to Mexican border: 1798.4 km



**Table 1 WYMT-TV TVStudy Analysis of Proposal**  
(page 2 of 12)



Conditions at FCC monitoring station: Powder Springs GA  
Bearing: 201.1 degrees Distance: 395.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 286.5 degrees Distance: 1935.6 km

No land mobile station failures found

Study cell size: 2.00 km  
Profile point spacing: 0.20 km

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

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Interference to BLANK0000072980 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WDKY-TV	D19	DT	LIC	DANVILLE, KY	BLANK0000072980	
Undesireds:	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	126.2 km
	WSTR-TV	D18	DT	LIC	CINCINNATI, OH	BLANK0000115955	147.7
	WHNT-TV	D19	DT	CP	HUNTSVILLE, AL	BLANK0000127591	401.5
	WIPB	D19	DT	LIC	MUNCIE, IN	BLANK0000087336	262.8
	WKPZ-CD	D19	DC	LIC	KINGSPORT, TN	BLANK0000001584	215.0
	WLWT	D20	DT	LIC	CINCINNATI, OH	BLANK0000087261	139.3
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
28838.1 1,204,817		28079.2 1,176,440		27987.1 1,174,218		27847.7 1,171,042	0.50 0.27
Undesired		Total IX		Unique IX, before		Unique IX, after	
WYMT-TV D20 DT APP		139.4 3,176				139.4 3,176	
WSTR-TV D18 DT LIC		4.0 143		0.0 0		0.0 0	
WIPB D19 DT LIC		52.0 863		31.9 620		31.9 620	
WLWT D20 DT LIC		60.2 1,602		40.2 1,359		40.2 1,359	

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Interference to BLANK0000072980 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WDKY-TV	D19	DT	LIC	DANVILLE, KY	BLANK0000072980	
Undesireds:	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	126.2 km
	WSTR-TV	D18	DT	LIC	CINCINNATI, OH	BLANK0000115955	147.7
	WHNT-TV	D19	DT	CP	HUNTSVILLE, AL	BLANK0000127591	401.5
	WIPB	D19	DT	LIC	MUNCIE, IN	BLANK0000087336	262.8
	WKPZ-CD	D19	DC	LIC	KINGSPORT, TN	BLANK0000001584	215.0
	WLWT	D20	DT	CP	CINCINNATI, OH	BLANK0000127507	139.3
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
28838.1 1,204,817		28079.2 1,176,440		27979.0 1,174,068		27839.6 1,170,892	0.50 0.27
Undesired		Total IX		Unique IX, before		Unique IX, after	
WYMT-TV D20 DT APP		139.4 3,176				139.4 3,176	
WSTR-TV D18 DT LIC		4.0 143		0.0 0		0.0 0	
WIPB D19 DT LIC		52.0 863		31.9 620		31.9 620	
WLWT D20 DT CP		68.3 1,752		48.2 1,509		48.2 1,509	

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Interference to BLANK0000127585 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WDKY-TV	D19	DT	CP	DANVILLE, KY	BLANK0000127585	
Undesireds:	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	126.2 km
	WSTR-TV	D18	DT	LIC	CINCINNATI, OH	BLANK0000115955	147.7
	WHNT-TV	D19	DT	CP	HUNTSVILLE, AL	BLANK0000127591	401.5
	WIPB	D19	DT	LIC	MUNCIE, IN	BLANK0000087336	262.8
	WKPZ-CD	D19	DC	LIC	KINGSPORT, TN	BLANK0000001584	215.0

**Table 1 WYMT-TV TVStudy Analysis of Proposal**  
(page 3 of 12)



WLWT		D20	DT	LIC	CINCINNATI, OH		BLANK0000087261		139.3		
Service area			Terrain-limited		IX-free, before		IX-free, after		Percent New IX		
34759.3	1,320,679		33780.4	1,285,668		33572.1	1,280,037		33432.6	1,277,726	
									0.42	0.18	
Undesired				Total IX		Unique IX, before		Unique IX, after			
WYMT-TV	D20	DT	APP	139.5	2,311				139.5	2,311	
WSTR-TV	D18	DT	LIC	20.1	1,554		0.0	0	0.0	0	
WHNT-TV	D19	DT	CP	20.0	335		20.0	335	20.0	335	
WIPB	D19	DT	LIC	80.0	2,092		55.9	787	55.9	787	
WKPZ-CD	D19	DC	LIC	4.0	113		4.0	113	4.0	113	
WLWT	D20	DT	LIC	128.4	4,396		88.3	2,575	88.3	2,575	

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Interference to BLANK0000127585 CP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WDKY-TV	D19	DT	CP	DANVILLE, KY	BLANK0000127585	
Undesireds:	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	126.2 km
	WSTR-TV	D18	DT	LIC	CINCINNATI, OH	BLANK0000115955	147.7
	WHNT-TV	D19	DT	LIC	HUNTSVILLE, AL	BLCDT20111118COZ	401.5
	WIPB	D19	DT	LIC	MUNCIE, IN	BLANK0000087336	262.8
	WKPZ-CD	D19	DC	LIC	KINGSPORT, TN	BLANK0000001584	215.0
	WLWT	D20	DT	LIC	CINCINNATI, OH	BLANK0000087261	139.3

Service area				Terrain-limited		IX-free, before		IX-free, after		Percent New IX											
34759.3				1,320,679		33780.4		1,285,668		33588.1		1,280,281		33448.6		1,277,970		0.42		0.18	
Undesired				Total IX				Unique IX, before				Unique IX, after									
WYMT-TV D20 DT APP				139.5		2,311		139.5				2,311									
WSTR-TV D18 DT LIC				20.1		1,554		0.0		0		0.0		0							
WHNT-TV D19 DT LIC				4.0		91		4.0		91		4.0		91							
WIPB D19 DT LIC				80.0		2,092		55.9		787		55.9		787							
WKPZ-CD D19 DC LIC				4.0		113		4.0		113		4.0		113							
WLWT D20 DT LIC				128.4		4,396		88.3		2,575		88.3		2,575							

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Interference to BLANK0000127585 CP scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WDKY-TV	D19	DT	CP	DANVILLE, KY	BLANK0000127585	
Undesireds:	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	126.2 km
	WSTR-TV	D18	DT	LIC	CINCINNATI, OH	BLANK0000115955	147.7
	WHNT-TV	D19	DT	CP	HUNTSVILLE, AL	BLANK0000127591	401.5
	WIPB	D19	DT	LIC	MUNCIE, IN	BLANK0000087336	262.8
	WKPZ-CD	D19	DC	LIC	KINGSPORT, TN	BLANK0000001584	215.0
	WLWT	D20	DT	CP	CINCINNATI, OH	BLANK0000127507	139.3

Service area				Terrain-limited		IX-free, before		IX-free, after		Percent New IX									
34759.3		1,320,679		33780.4		1,285,668		33564.1		1,279,912		33424.6		1,277,601		0.42		0.18	
Undesired				Total IX				Unique IX, before				Unique IX, after							
WYMT-TV D20		DT APP		139.5		2,311						139.5		2,311					
WSTR-TV D18		DT LIC		20.1		1,554		0.0		0		0.0		0					
WHNT-TV D19		DT CP		20.0		335		20.0		335		20.0		335					
WIPB D19		DT LIC		80.0		2,092		51.9		787		51.9		787					
WKPZ-CD D19		DC LIC		4.0		113		4.0		113		4.0		113					
WLWT D20		DT CP		140.4		4,521		96.3		2,700		96.3		2,700					

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Interference to BLANK0000127585 CP scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WDKY-TV	D19	DT	CP	DANVILLE, KY	BLANK0000127585	
Undesireds:	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	126.2 km
	WSTR-TV	D18	DT	LIC	CINCINNATI, OH	BLANK0000115955	147.7
	WHNT-TV	D19	DT	LIC	HUNTSVILLE, AL	BLCDT20111118COZ	401.5
	WIPB	D19	DT	LIC	MUNCIE, IN	BLANK0000087336	262.8
	WKPZ-CD	D19	DC	LIC	KINGSPORT, TN	BLANK0000001584	215.0
	WLWT	D20	DT	CP	CINCINNATI, OH	BLANK0000127507	139.3



**Table 1 WYMT-TV TVStudy Analysis of Proposal**  
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Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
34759.3 1,320,679	33780.4 1,285,668	33580.1 1,280,156	33440.6 1,277,845	0.42 0.18
Undesired	Total IX	Unique IX, before	Unique IX, after	
WYMT-TV D20 DT APP	139.5 2,311	139.5 2,311		
WSTR-TV D18 DT LIC	20.1 1,554	0.0 0	0.0 0	
WHNT-TV D19 DT LIC	4.0 91	4.0 91	4.0 91	
WIPB D19 DT LIC	80.0 2,092	51.9 787	51.9 787	
WKPZ-CD D19 DC LIC	4.0 113	4.0 113	4.0 113	
WLWT D20 DT CP	140.4 4,521	96.3 2,700	96.3 2,700	

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Interference to BLANK0000127585 CP scenario 5

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WDKY-TV	D19	DT	CP	DANVILLE, KY	BLANK0000127585	
Undesireds:	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	126.2 km
	WSTR-TV	D18	DT	LIC	CINCINNATI, OH	BLANK0000115955	147.7
	WHNT-TV	D19	DT	CP	HUNTSVILLE, AL	BLANK0000127591	401.5
	WIPB	D19	DT	LIC	MUNCIE, IN	BLANK0000087336	262.8
	WKPZ-CD	D19	DC	LIC	KINGSPORT, TN	BLANK0000001597	215.0
	WLWT	D20	DT	LIC	CINCINNATI, OH	BLANK0000087261	139.3

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
34759.3 1,320,679	33780.4 1,285,668	33572.1 1,280,037	33432.6 1,277,726	0.42 0.18
Undesired	Total IX	Unique IX, before	Unique IX, after	
WYMT-TV D20 DT APP	139.5 2,311	139.5 2,311		
WSTR-TV D18 DT LIC	20.1 1,554	0.0 0	0.0 0	
WHNT-TV D19 DT CP	20.0 335	20.0 335	20.0 335	
WIPB D19 DT LIC	80.0 2,092	55.9 787	55.9 787	
WKPZ-CD D19 DC LIC	4.0 113	4.0 113	4.0 113	
WLWT D20 DT LIC	128.4 4,396	88.3 2,575	88.3 2,575	

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Interference to BLANK0000127585 CP scenario 6

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WDKY-TV	D19	DT	CP	DANVILLE, KY	BLANK0000127585	
Undesireds:	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	126.2 km
	WSTR-TV	D18	DT	LIC	CINCINNATI, OH	BLANK0000115955	147.7
	WHNT-TV	D19	DT	LIC	HUNTSVILLE, AL	BLCDT20111118COZ	401.5
	WIPB	D19	DT	LIC	MUNCIE, IN	BLANK0000087336	262.8
	WKPZ-CD	D19	DC	LIC	KINGSPORT, TN	BLANK0000001597	215.0
	WLWT	D20	DT	LIC	CINCINNATI, OH	BLANK0000087261	139.3

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
34759.3 1,320,679	33780.4 1,285,668	33588.1 1,280,281	33448.6 1,277,970	0.42 0.18
Undesired	Total IX	Unique IX, before	Unique IX, after	
WYMT-TV D20 DT APP	139.5 2,311	139.5 2,311		
WSTR-TV D18 DT LIC	20.1 1,554	0.0 0	0.0 0	
WHNT-TV D19 DT LIC	4.0 91	4.0 91	4.0 91	
WIPB D19 DT LIC	80.0 2,092	55.9 787	55.9 787	
WKPZ-CD D19 DC LIC	4.0 113	4.0 113	4.0 113	
WLWT D20 DT LIC	128.4 4,396	88.3 2,575	88.3 2,575	

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Interference to BLANK0000127585 CP scenario 7

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WDKY-TV	D19	DT	CP	DANVILLE, KY	BLANK0000127585	
Undesireds:	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	126.2 km
	WSTR-TV	D18	DT	LIC	CINCINNATI, OH	BLANK0000115955	147.7
	WHNT-TV	D19	DT	CP	HUNTSVILLE, AL	BLANK0000127591	401.5
	WIPB	D19	DT	LIC	MUNCIE, IN	BLANK0000087336	262.8
	WKPZ-CD	D19	DC	LIC	KINGSPORT, TN	BLANK0000001597	215.0
	WLWT	D20	DT	CP	CINCINNATI, OH	BLANK0000127507	139.3

**Table 1 WYMT-TV TVStudy Analysis of Proposal**  
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Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
34759.3	1,320,679	33780.4	1,285,668	33564.1	1,279,912	33424.6	1,277,601	0.42	0.18
Undesired		Total IX		Unique IX, before		Unique IX, after			
WYMT-TV D20 DT APP		139.5	2,311			139.5	2,311		
WSTR-TV D18 DT LIC		20.1	1,554	0.0	0	0.0	0		
WHNT-TV D19 DT CP		20.0	335	20.0	335	20.0	335		
WIPB D19 DT LIC		80.0	2,092	51.9	787	51.9	787		
WKPZ-CD D19 DC LIC		4.0	113	4.0	113	4.0	113		
WLWT D20 DT CP		140.4	4,521	96.3	2,700	96.3	2,700		

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Interference to BLANK0000127585 CP scenario 8

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WDKY-TV	D19	DT	CP	DANVILLE, KY	BLANK0000127585	
Undesireds:	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	126.2 km
	WSTR-TV	D18	DT	LIC	CINCINNATI, OH	BLANK0000115955	147.7
	WHNT-TV	D19	DT	LIC	HUNTSVILLE, AL	BLCDT20111118COZ	401.5
	WIPB	D19	DT	LIC	MUNCIE, IN	BLANK0000087336	262.8
	WKPZ-CD	D19	DC	LIC	KINGSPORT, TN	BLANK0000001597	215.0
	WLWT	D20	DT	CP	CINCINNATI, OH	BLANK0000127507	139.3

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
34759.3	1,320,679	33780.4	1,285,668	33580.1	1,280,156	33440.6	1,277,845	0.42	0.18
Undesired		Total IX		Unique IX, before		Unique IX, after			
WYMT-TV D20 DT APP		139.5	2,311			139.5	2,311		
WSTR-TV D18 DT LIC		20.1	1,554	0.0	0	0.0	0		
WHNT-TV D19 DT LIC		4.0	91	4.0	91	4.0	91		
WIPB D19 DT LIC		80.0	2,092	51.9	787	51.9	787		
WKPZ-CD D19 DC LIC		4.0	113	4.0	113	4.0	113		
WLWT D20 DT CP		140.4	4,521	96.3	2,700	96.3	2,700		

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Interference to BLANK0000001584 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WKPZ-CD	D19	DC	LIC	KINGSPORT, TN	BLANK0000001584	
Undesireds:	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	91.0 km
	WGCL-TV	D19	DT	LIC	ATLANTA, GA	BLANK0000152289	341.6
	WDKY-TV	D19	DT	LIC	DANVILLE, KY	BLANK0000072980	215.0
	WSOC-TV	D19	DT	LIC	CHARLOTTE, NC	BLANK0000146857	218.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
11181.9	628,019	9532.1	570,922	9512.2	570,697	9512.2	570,697	0.00	0.00
Undesired		Total IX		Unique IX, before		Unique IX, after			
WYMT-TV D20 DT APP		4.0	0			0.0	0		
WDKY-TV D19 DT LIC		4.0	0	0.0	0	0.0	0		
WSOC-TV D19 DT LIC		19.9	225	15.9	225	15.9	225		

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Interference to BLANK0000001584 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WKPZ-CD	D19	DC	LIC	KINGSPORT, TN	BLANK0000001584	
Undesireds:	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	91.0 km
	WGCL-TV	D19	DT	LIC	ATLANTA, GA	BLANK0000152289	341.6
	WDKY-TV	D19	DT	CP	DANVILLE, KY	BLANK0000127585	215.0
	WSOC-TV	D19	DT	LIC	CHARLOTTE, NC	BLANK0000146857	218.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
11181.9	628,019	9532.1	570,922	9488.2	569,787	9488.2	569,787	0.00	0.00
Undesired		Total IX		Unique IX, before		Unique IX, after			
WYMT-TV D20 DT APP		4.0	0			0.0	0		
WDKY-TV D19 DT CP		28.1	910	24.0	910	24.0	910		
WSOC-TV D19 DT LIC		19.9	225	15.9	225	15.9	225		

**Table 1 WYMT-TV TVStudy Analysis of Proposal**  
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Interference to BLANK0000001597 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WKPZ-CD	D19	DC	LIC	KINGSPORT, TN	BLANK0000001597	
Undesireds:	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	91.0 km
	WGCL-TV	D19	DT	LIC	ATLANTA, GA	BLANK0000152289	341.6
	WDKY-TV	D19	DT	LIC	DANVILLE, KY	BLANK0000072980	215.0
	WSOC-TV	D19	DT	LIC	CHARLOTTE, NC	BLANK0000146857	218.7
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
11181.9	628,019	9532.1	570,922	9512.2	570,697	9512.2 570,697	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
WYMT-TV	D20 DT APP	4.0	0			0.0 0	
WDKY-TV	D19 DT LIC	4.0	0	0.0	0	0.0 0	
WSOC-TV	D19 DT LIC	19.9	225	15.9	225	15.9 225	

Interference to BLANK0000001597 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WKPZ-CD	D19	DC	LIC	KINGSPORT, TN	BLANK0000001597	
Undesireds:	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	91.0 km
	WGCL-TV	D19	DT	LIC	ATLANTA, GA	BLANK0000152289	341.6
	WDKY-TV	D19	DT	CP	DANVILLE, KY	BLANK0000127585	215.0
	WSOC-TV	D19	DT	LIC	CHARLOTTE, NC	BLANK0000146857	218.7
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
11181.9	628,019	9532.1	570,922	9488.2	569,787	9488.2 569,787	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
WYMT-TV	D20 DT APP	4.0	0			0.0 0	
WDKY-TV	D19 DT CP	28.1	910	24.0	910	24.0 910	
WSOC-TV	D19 DT LIC	19.9	225	15.9	225	15.9 225	

Interference to BLANK0000093577 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WUNF-TV	D20	DD	LIC	ASHEVILLE, NC	BLANK0000093577	
Undesireds:	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	226.4 km
	WSOC-TV	D19	DT	LIC	CHARLOTTE, NC	BLANK0000146857	165.5
	WKPZ-CD	D19	DC	LIC	KINGSPORT, TN	BLANK0000001584	145.1
	WANN-CD	D20	DC	LIC	ATLANTA, GA	BLANK0000092680	227.2
	WUNC-TV	D20	DT	LIC	CHAPEL HILL, NC	BLANK0000138116	314.2
	WUNG-TV	D21	DT	LIC	CONCORD, NC	BLANK0000113063	176.6
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
33873.1	2,335,055	29496.4	2,105,259	29363.9	2,100,744	29323.8 2,097,676	0.14 0.15
Undesired		Total IX		Unique IX, before		Unique IX, after	
WYMT-TV	D20 DT APP	56.2	3,629			40.1 3,068	
WSOC-TV	D19 DT LIC	16.1	735	4.0	54	4.0 54	
WKPZ-CD	D19 DC LIC	12.0	197	12.0	197	0.0 0	
WANN-CD	D20 DC LIC	4.0	0	4.0	0	4.0 0	
WUNC-TV	D20 DT LIC	112.5	4,264	96.4	3,382	92.4 3,018	
WUNG-TV	D21 DT LIC	8.1	345	0.0	0	0.0 0	

Interference to BLANK0000093577 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WUNF-TV	D20	DD	LIC	ASHEVILLE, NC	BLANK0000093577	
Undesireds:	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	226.4 km
	WSOC-TV	D19	DT	LIC	CHARLOTTE, NC	BLANK0000146857	165.5
	WKPZ-CD	D19	DC	LIC	KINGSPORT, TN	BLANK0000001597	145.1
	WANN-CD	D20	DC	LIC	ATLANTA, GA	BLANK0000092680	227.2
	WUNC-TV	D20	DT	LIC	CHAPEL HILL, NC	BLANK0000138116	314.2

**Table 1 WYMT-TV TVStudy Analysis of Proposal**  
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WUNG-TV		D21	DT	LIC	CONCORD, NC		BLANK0000113063		176.6	
Service area		Terrain-limited			IX-free, before		IX-free, after		Percent New IX	
33873.1	2,335,055	29496.4		2,105,259	29363.9	2,100,744	29323.8	2,097,676	0.14	0.15
Undesired				Total IX	Unique IX, before		Unique IX, after			
WYMT-TV	D20	DT	APP	56.2	3,629		40.1	3,068		
WSOC-TV	D19	DT	LIC	16.1	735	4.0	54	4.0	54	
WKPZ-CD	D19	DC	LIC	12.0	197	12.0	197	0.0	0	
WANN-CD	D20	DC	LIC	4.0	0	4.0	0	4.0	0	
WUNC-TV	D20	DT	LIC	112.5	4,264	96.4	3,382	92.4	3,018	
WUNG-TV	D21	DT	LIC	8.1	345	0.0	0	0.0	0	

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Interference to BLANK0000087261 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance		
Desired:	WLWT	D20	DT	LIC	CINCINNATI, OH	BLANK0000087261			
Undesireds:	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	244.4 km		
	WIPB	D19	DT	LIC	MUNCIE, IN	BLANK0000087336	131.0		
	WDKY-TV	D19	DT	LIC	DANVILLE, KY	BLANK0000072980	139.3		
	WAND	D20	DT	LIC	DECATUR, IL	BLANK0000115806	380.8		
	WFFT-TV	D20	DT	LIC	FORT WAYNE, IN	BLANK0000086952	227.9		
	WTVS	D20	DT	LIC	DETROIT, MI	BLANK0000117036	386.5		
	WOHZ-CD	D20	DC	LIC	MANSFIELD, OH	BLANK0000146999	301.8		
	WZTV	D20	DT	LIC	NASHVILLE, TN	BLANK0000115725	375.5		
	WKYT-TV	D21	DT	LIC	LEXINGTON, KY	BLANK0000074953	121.0		
	WBNS-TV	D21	DT	LIC	COLUMBUS, OH	BLCDT20021025ABK	158.9		
	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
31443.9	3,367,381	31119.6	3,352,339	30304.2	3,326,682	29979.6	3,315,448	1.07	0.34

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Interference to BLANK0000087261 LIC scenario 2

Desired:	Call WLWT	Chan D20	Svc DT	Status LIC	City, State CINCINNATI, OH	File Number BLANK0000087261	Distance		
Undesireds:	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	244.4 km		
	WIPB	D19	DT	LIC	MUNCIE, IN	BLANK0000087336	131.0		
	WDKY-TV	D19	DT	CP	DANVILLE, KY	BLANK0000127585	139.3		
	WAND	D20	DT	LIC	DECATUR, IL	BLANK0000115806	380.8		
	WFFT-TV	D20	DT	LIC	FORT WAYNE, IN	BLANK0000086952	227.9		
	WTVS	D20	DT	LIC	DETROIT, MI	BLANK0000117036	386.5		
	WOHZ-CD	D20	DC	LIC	MANSFIELD, OH	BLANK0000146999	301.8		
	WZTV	D20	DT	LIC	NASHVILLE, TN	BLANK0000115725	375.5		
	WKYT-TV	D21	DT	LIC	LEXINGTON, KY	BLANK0000074953	121.0		
	WBNS-TV	D21	DT	LIC	COLUMBUS, OH	BLCDT20021025ABK	158.9		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
31443.9	3,367,381	31119.6	3,352,339	30296.4	3,326,536	29971.7	3,315,302	1.07	0.34
Undesired				Total IX	Unique IX, before		Unique IX, after		
WYMT-TV	D20	DT	APP	598.1	20,739		324.6	11,234	
WIPB	D19	DT	LIC	60.0	569	0.0	0	0	
WDKY-TV	D19	DT	CP	316.3	10,243	15.8	224	11.8	224
WAND	D20	DT	LIC	19.9	101	0.0	0	0.0	0
WFFT-TV	D20	DT	LIC	307.8	12,177	219.8	11,121	219.8	11,121
WTVS	D20	DT	LIC	4.0	377	0.0	0	0.0	0
WZTV	D20	DT	LIC	3.9	63	0.0	0	0.0	0
WKYT-TV	D21	DT	LIC	408.4	12,217	107.9	2,198	79.7	1,910

**Table 1 WYMT-TV TVStudy Analysis of Proposal**  
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WBNS-TV D21 DT LIC 95.2 1,194 91.3 1,185 91.3 1,185

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Interference to BLANK0000127507 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WLWT	D20	DT	CP	CINCINNATI, OH	BLANK0000127507	
Undesireds:	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	244.4 km
	WIPB	D19	DT	LIC	MUNCIE, IN	BLANK0000087336	131.0
	WDKY-TV	D19	DT	LIC	DANVILLE, KY	BLANK0000072980	139.3
	WAND	D20	DT	LIC	DECATUR, IL	BLANK0000115806	380.8
	WFFT-TV	D20	DT	LIC	FORT WAYNE, IN	BLANK0000086952	227.9
	WOHZ-CD	D20	DC	LIC	MANSFIELD, OH	BLANK0000146999	301.8
	WKYT-TV	D21	DT	LIC	LEXINGTON, KY	BLANK0000074953	121.0
	WBNS-TV	D21	DT	LIC	COLUMBUS, OH	BLCDT20021025ABK	158.9
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
32164.1 3,396,701		31835.7 3,383,188		30925.4 3,344,712		30632.7 3,334,902	0.95 0.29
Undesired			Total IX	Unique IX, before		Unique IX, after	
WYMT-TV D20 DT APP			605.5 30,402			292.7 9,810	
WIPB D19 DT LIC			76.3 739	12.1 152		12.1 152	
WDKY-TV D19 DT LIC			236.6 17,468	3.9 0		0.0 0	
WAND D20 DT LIC			4.0 41	0.0 0		0.0 0	
WFFT-TV D20 DT LIC			312.0 11,335	243.8 10,707		239.8 10,680	
WKYT-TV D21 DT LIC			459.4 23,679	226.8 6,211		131.0 2,893	
WBNS-TV D21 DT LIC			123.0 3,310	123.0 3,310		119.0 3,301	

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Interference to BLANK0000127507 CP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WLWT	D20	DT	CP	CINCINNATI, OH	BLANK0000127507	
Undesireds:	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	244.4 km
	WIPB	D19	DT	LIC	MUNCIE, IN	BLANK0000087336	131.0
	WDKY-TV	D19	DT	CP	DANVILLE, KY	BLANK0000127585	139.3
	WAND	D20	DT	LIC	DECATUR, IL	BLANK0000115806	380.8
	WFFT-TV	D20	DT	LIC	FORT WAYNE, IN	BLANK0000086952	227.9
	WOHZ-CD	D20	DC	LIC	MANSFIELD, OH	BLANK0000146999	301.8
	WKYT-TV	D21	DT	LIC	LEXINGTON, KY	BLANK0000074953	121.0
	WBNS-TV	D21	DT	LIC	COLUMBUS, OH	BLCDT20021025ABK	158.9
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
32164.1 3,396,701		31835.7 3,383,188		30913.6 3,344,488		30620.9 3,334,678	0.95 0.29
Undesired			Total IX	Unique IX, before		Unique IX, after	
WYMT-TV D20 DT APP			605.5 30,402			292.7 9,810	
WIPB D19 DT LIC			76.3 739	12.1 152		12.1 152	
WDKY-TV D19 DT CP			371.5 19,766	15.8 224		11.8 224	
WAND D20 DT LIC			4.0 41	0.0 0		0.0 0	
WFFT-TV D20 DT LIC			312.0 11,335	243.8 10,707		239.8 10,680	
WKYT-TV D21 DT LIC			459.4 23,679	103.7 4,137		75.5 1,757	
WBNS-TV D21 DT LIC			123.0 3,310	123.0 3,310		119.0 3,301	

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Interference to BLANK0000115725 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WZTV	D20	DT	LIC	NASHVILLE, TN	BLANK0000115725	
Undesireds:	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	338.0 km
	WHNT-TV	D19	DT	CP	HUNTSVILLE, AL	BLANK0000127591	171.2
	WABM	D20	DT	LIC	BIRMINGHAM, AL	BLANK0000123838	308.9
	KTEJ	D20	DT	LIC	JONESBORO, AR	BLDTE20110818AAQ	359.4
	WTSN-CD	D20	DC	LIC	EVANSVILLE, IN	BLDTL20120328AJA	196.1
	WLWT	D20	DT	LIC	CINCINNATI, OH	BLANK0000087261	375.5
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
33006.2 2,312,658		32452.1 2,303,050		32351.4 2,291,018		32295.4 2,289,784	0.17 0.05
Undesired			Total IX	Unique IX, before		Unique IX, after	

**Table 1 WYMT-TV TVStudy Analysis of Proposal**  
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WYMT-TV D20 DT APP	56.0	1,234			56.0	1,234
WHNT-TV D19 DT CP	56.6	11,281	56.6	11,281	56.6	11,281
WABM D20 DT LIC	8.1	263	8.1	263	8.1	263
KTEJ D20 DT LIC	4.0	89	4.0	89	4.0	89
WTSN-CD D20 DC LIC	32.1	399	32.1	399	32.1	399

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Interference to BLANK0000115725 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WZTV	D20	DT	LIC	NASHVILLE, TN	BLANK0000115725	
Undesireds:	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	338.0 km
	WHNT-TV	D19	DT	LIC	HUNTSVILLE, AL	BLCDT20111118COZ	171.2
	WABM	D20	DT	LIC	BIRMINGHAM, AL	BLANK0000123838	308.9
	KTEJ	D20	DT	LIC	JONESBORO, AR	BLCDT20110818AAQ	359.4
	WTSN-CD	D20	DC	LIC	EVANSVILLE, IN	BLDTL20120328AJA	196.1
	WLWT	D20	DT	LIC	CINCINNATI, OH	BLANK0000087261	375.5
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
33006.2	2,312,658	32452.1	2,303,050	32375.7	2,295,157	32319.6	2,293,923
							0.17
							0.05

Undesired	Total IX	Unique IX, before	Unique IX, after
WYMT-TV D20 DT APP	56.0	1,234	56.0
WHNT-TV D19 DT LIC	32.3	7,142	32.3
WABM D20 DT LIC	8.1	263	8.1
KTEJ D20 DT LIC	4.0	89	4.0
WTSN-CD D20 DC LIC	32.1	399	32.1

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Interference to BLANK0000074953 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WKYT-TV	D21	DT	LIC	LEXINGTON, KY	BLANK0000074953	
Undesireds:	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	142.9 km
	WLWT	D20	DT	LIC	CINCINNATI, OH	BLANK0000087261	121.0
	WFYI	D21	DT	LIC	INDIANAPOLIS, IN	BLCDT20100803ADB	258.5
	WRLW-CD	D21-	DC	LIC	SALEM, IN	BLANK0000112941	159.6
	WBNS-TV	D21	DT	LIC	COLUMBUS, OH	BLCDT20021025ABK	245.3
	WUXP-TV	D21	DT	LIC	NASHVILLE, TN	BLANK0000115726	289.5
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
28011.3	1,174,615	27628.1	1,166,760	27201.0	1,141,075	27069.6	1,138,961
							0.48
							0.19

Undesired	Total IX	Unique IX, before	Unique IX, after
WYMT-TV D20 DT APP	131.4	2,114	131.4
WLWT D20 DT LIC	60.2	2,168	32.1
WFYI D21 DT LIC	47.8	2,527	15.9
WRLW-CD D21- DC LIC	27.9	6,444	8.1
WBNS-TV D21 DT LIC	112.2	3,448	84.2
WUXP-TV D21 DT LIC	250.9	14,364	223.1

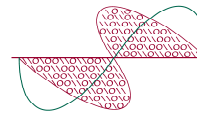
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Interference to BLANK0000074953 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WKYT-TV	D21	DT	LIC	LEXINGTON, KY	BLANK0000074953	
Undesireds:	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	142.9 km
	WLWT	D20	DT	CP	CINCINNATI, OH	BLANK0000127507	121.0
	WFYI	D21	DT	LIC	INDIANAPOLIS, IN	BLCDT20100803ADB	258.5
	WRLW-CD	D21-	DC	LIC	SALEM, IN	BLANK0000112941	159.6
	WBNS-TV	D21	DT	LIC	COLUMBUS, OH	BLCDT20021025ABK	245.3
	WUXP-TV	D21	DT	LIC	NASHVILLE, TN	BLANK0000115726	289.5
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
28011.3	1,174,615	27628.1	1,166,760	27197.0	1,140,997	27065.6	1,138,883
							0.48
							0.19

Undesired	Total IX	Unique IX, before	Unique IX, after
WYMT-TV D20 DT APP	131.4	2,114	131.4
WLWT D20 DT CP	64.2	2,246	36.1
WFYI D21 DT LIC	47.8	2,527	15.9

# Table 1 WYMT-TV TVStudy Analysis of Proposal

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**Chesapeake RF Consultants, LLC**

Radiofrequency Consulting Engineers  
Digital Television and Radio

WRLW-CD D21- DC LIC	27.9	6,644	8.1	5,881	8.1	5,881
WBNS-TV D21 DT LIC	112.2	3,448	84.2	2,402	84.2	2,402
WUXP-TV D21 DT LIC	250.9	14,364	223.1	12,690	223.1	12,690

Interference to proposal scenario 1  
6.29% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	
Undesireds:	WDKY-TV	D19	DT	LIC	DANVILLE, KY	BLANK0000072980	126.2 km
	WKPZ-CD	D19	DC	LIC	KINGSPORT, TN	BLANK0000001584	91.0
	WUNF-TV	D20	DD	LIC	ASHEVILLE, NC	BLANK0000093577	226.4
	WUNC-TV	D20	DT	LIC	CHAPEL HILL, NC	BLANK0000138116	387.7
	WLWT	D20	DT	LIC	CINCINNATI, OH	BLANK0000087261	244.4
	WZTV	D20	DT	LIC	NASHVILLE, TN	BLANK0000115725	338.0
	WKYT-TV	D21	DT	LIC	LEXINGTON, KY	BLANK0000074953	142.9

Service area	Terrain-limited	IX-free	Percent IX
40230.0 1,180,690	35683.7 939,769	34647.8 880,644	2.90 6.29

Undesired	Total IX	Unique IX	Prcnt Unique IX
WDKY-TV D19 DT LIC	638.8 45,264	67.4 3,505	0.19 0.37
WKPZ-CD D19 DC LIC	27.9 511	11.9 115	0.03 0.01
WUNF-TV D20 DD LIC	63.8 2,001	43.8 1,605	0.12 0.17
WUNC-TV D20 DT LIC	4.0 0	0.0 0	0.00 0.00
WLWT D20 DT LIC	690.5 39,666	190.5 6,971	0.53 0.74
WZTV D20 DT LIC	67.7 3,392	15.9 349	0.04 0.04
WKYT-TV D21 DT LIC	602.8 42,550	35.6 962	0.10 0.10

Interference to proposal scenario 2  
6.47% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	
Undesireds:	WDKY-TV	D19	DT	LIC	DANVILLE, KY	BLANK0000072980	126.2 km
	WKPZ-CD	D19	DC	LIC	KINGSPORT, TN	BLANK0000001584	91.0
	WUNF-TV	D20	DD	LIC	ASHEVILLE, NC	BLANK0000093577	226.4
	WUNC-TV	D20	DT	LIC	CHAPEL HILL, NC	BLANK0000138116	387.7
	WLWT	D20	DT	CP	CINCINNATI, OH	BLANK0000127507	244.4
	WZTV	D20	DT	LIC	NASHVILLE, TN	BLANK0000115725	338.0
	WKYT-TV	D21	DT	LIC	LEXINGTON, KY	BLANK0000074953	142.9

Service area	Terrain-limited	IX-free	Percent IX
40230.0 1,180,690	35683.7 939,769	34639.8 879,001	2.93 6.47

Undesired	Total IX	Unique IX	Prcnt Unique IX
WDKY-TV D19 DT LIC	638.8 45,264	67.4 3,505	0.19 0.37
WKPZ-CD D19 DC LIC	27.9 511	11.9 115	0.03 0.01
WUNF-TV D20 DD LIC	63.8 2,001	43.8 1,605	0.12 0.17
WUNC-TV D20 DT LIC	4.0 0	0.0 0	0.00 0.00
WLWT D20 DT CP	702.4 41,344	198.5 8,614	0.56 0.92
WZTV D20 DT LIC	67.7 3,392	15.9 349	0.04 0.04
WKYT-TV D21 DT LIC	602.8 42,550	35.6 962	0.10 0.10

Interference to proposal scenario 3  
6.31% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	
Undesireds:	WDKY-TV	D19	DT	CP	DANVILLE, KY	BLANK0000127585	126.2 km
	WKPZ-CD	D19	DC	LIC	KINGSPORT, TN	BLANK0000001584	91.0
	WUNF-TV	D20	DD	LIC	ASHEVILLE, NC	BLANK0000093577	226.4
	WUNC-TV	D20	DT	LIC	CHAPEL HILL, NC	BLANK0000138116	387.7
	WLWT	D20	DT	LIC	CINCINNATI, OH	BLANK0000087261	244.4
	WZTV	D20	DT	LIC	NASHVILLE, TN	BLANK0000115725	338.0
	WKYT-TV	D21	DT	LIC	LEXINGTON, KY	BLANK0000074953	142.9

**Table 1 WYMT-TV TVStudy Analysis of Proposal**  
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Service area		Terrain-limited		IX-free		Percent IX	
40230.0	1,180,690	35683.7	939,769	34631.9	880,428	2.95	6.31
Undesired		Total IX		Unique IX		Prcnt Unique IX	
WDKY-TV D19 DT CP		721.9	51,128	83.3	3,721	0.23	0.40
WKPZ-CD D19 DC LIC		27.9	511	11.9	115	0.03	0.01
WUNF-TV D20 DD LIC		63.8	2,001	43.8	1,605	0.12	0.17
WUNC-TV D20 DT LIC		4.0	0	0.0	0	0.00	0.00
WLWT D20 DT LIC		690.5	39,666	170.8	4,196	0.48	0.45
WZTV D20 DT LIC		67.7	3,392	15.9	349	0.04	0.04
WKYT-TV D21 DT LIC		602.8	42,550	15.8	273	0.04	0.03

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Interference to proposal scenario 4  
6.49% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	
Undesireds:	WDKY-TV	D19	DT	CP	DANVILLE, KY	BLANK00000127585	126.2 km
	WKPZ-CD	D19	DC	LIC	KINGSPORT, TN	BLANK0000001584	91.0
	WUNF-TV	D20	DD	LIC	ASHEVILLE, NC	BLANK0000093577	226.4
	WUNC-TV	D20	DT	LIC	CHAPEL HILL, NC	BLANK0000138116	387.7
	WLWT	D20	DT	CP	CINCINNATI, OH	BLANK0000127507	244.4
	WZTV	D20	DT	LIC	NASHVILLE, TN	BLANK0000115725	338.0
	WKYT-TV	D21	DT	LIC	LEXINGTON, KY	BLANK0000074953	142.9

Service area		Terrain-limited		IX-free		Percent IX	
40230.0	1,180,690	35683.7	939,769	34624.0	878,785	2.97	6.49
Undesired		Total IX		Unique IX		Prcnt Unique IX	
WDKY-TV D19 DT CP		721.9	51,128	83.3	3,721	0.23	0.40
WKPZ-CD D19 DC LIC		27.9	511	11.9	115	0.03	0.01
WUNF-TV D20 DD LIC		63.8	2,001	43.8	1,605	0.12	0.17
WUNC-TV D20 DT LIC		4.0	0	0.0	0	0.00	0.00
WLWT D20 DT CP		702.4	41,344	178.7	5,839	0.50	0.62
WZTV D20 DT LIC		67.7	3,392	15.9	349	0.04	0.04
WKYT-TV D21 DT LIC		602.8	42,550	15.8	273	0.04	0.03

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Interference to proposal scenario 5  
6.29% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	
Undesireds:	WDKY-TV	D19	DT	LIC	DANVILLE, KY	BLANK0000072980	126.2 km
	WKPZ-CD	D19	DC	LIC	KINGSPORT, TN	BLANK0000001597	91.0
	WUNF-TV	D20	DD	LIC	ASHEVILLE, NC	BLANK0000093577	226.4
	WUNC-TV	D20	DT	LIC	CHAPEL HILL, NC	BLANK0000138116	387.7
	WLWT	D20	DT	LIC	CINCINNATI, OH	BLANK0000087261	244.4
	WZTV	D20	DT	LIC	NASHVILLE, TN	BLANK0000115725	338.0
	WKYT-TV	D21	DT	LIC	LEXINGTON, KY	BLANK0000074953	142.9

Service area		Terrain-limited		IX-free		Percent IX	
40230.0	1,180,690	35683.7	939,769	34647.8	880,644	2.90	6.29
Undesired		Total IX		Unique IX		Prcnt Unique IX	
WDKY-TV D19 DT LIC		638.8	45,264	67.4	3,505	0.19	0.37
WKPZ-CD D19 DC LIC		27.9	511	11.9	115	0.03	0.01
WUNF-TV D20 DD LIC		63.8	2,001	43.8	1,605	0.12	0.17
WUNC-TV D20 DT LIC		4.0	0	0.0	0	0.00	0.00
WLWT D20 DT LIC		690.5	39,666	190.5	6,971	0.53	0.74
WZTV D20 DT LIC		67.7	3,392	15.9	349	0.04	0.04
WKYT-TV D21 DT LIC		602.8	42,550	35.6	962	0.10	0.10

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Interference to proposal scenario 6  
6.47% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	



**Table 1 WYMT-TV TVStudy Analysis of Proposal**  
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Undesireds:	WDKY-TV	D19	DT	LIC	DANVILLE, KY	BLANK0000072980	126.2 km
	WKPZ-CD	D19	DC	LIC	KINGSPORT, TN	BLANK0000001597	91.0
	WUNF-TV	D20	DD	LIC	ASHEVILLE, NC	BLANK0000093577	226.4
	WUNC-TV	D20	DT	LIC	CHAPEL HILL, NC	BLANK0000138116	387.7
	WLWT	D20	DT	CP	CINCINNATI, OH	BLANK0000127507	244.4
	WZTV	D20	DT	LIC	NASHVILLE, TN	BLANK0000115725	338.0
	WKYT-TV	D21	DT	LIC	LEXINGTON, KY	BLANK0000074953	142.9

Service area	Terrain-limited	IX-free	Percent IX
40230.0 1,180,690	35683.7 939,769	34639.8 879,001	2.93 6.47

Undesired	Total IX	Unique IX	Prcnt Unique IX
WDKY-TV D19 DT LIC	638.8 45,264	67.4 3,505	0.19 0.37
WKPZ-CD D19 DC LIC	27.9 511	11.9 115	0.03 0.01
WUNF-TV D20 DD LIC	63.8 2,001	43.8 1,605	0.12 0.17
WUNC-TV D20 DT LIC	4.0 0	0.0 0	0.00 0.00
WLWT D20 DT CP	702.4 41,344	198.5 8,614	0.56 0.92
WZTV D20 DT LIC	67.7 3,392	15.9 349	0.04 0.04
WKYT-TV D21 DT LIC	602.8 42,550	35.6 962	0.10 0.10

Interference to proposal scenario 7  
6.31% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	
Undesireds:	WDKY-TV	D19	DT	CP	DANVILLE, KY	BLANK0000127585	126.2 km
	WKPZ-CD	D19	DC	LIC	KINGSPORT, TN	BLANK0000001597	91.0
	WUNF-TV	D20	DD	LIC	ASHEVILLE, NC	BLANK0000093577	226.4
	WUNC-TV	D20	DT	LIC	CHAPEL HILL, NC	BLANK0000138116	387.7
	WLWT	D20	DT	LIC	CINCINNATI, OH	BLANK0000087261	244.4
	WZTV	D20	DT	LIC	NASHVILLE, TN	BLANK0000115725	338.0
	WKYT-TV	D21	DT	LIC	LEXINGTON, KY	BLANK0000074953	142.9

Service area	Terrain-limited	IX-free	Percent IX
40230.0 1,180,690	35683.7 939,769	34631.9 880,428	2.95 6.31

Undesired	Total IX	Unique IX	Prcnt Unique IX
WDKY-TV D19 DT CP	721.9 51,128	83.3 3,721	0.23 0.40
WKPZ-CD D19 DC LIC	27.9 511	11.9 115	0.03 0.01
WUNF-TV D20 DD LIC	63.8 2,001	43.8 1,605	0.12 0.17
WUNC-TV D20 DT LIC	4.0 0	0.0 0	0.00 0.00
WLWT D20 DT LIC	690.5 39,666	170.8 4,196	0.48 0.45
WZTV D20 DT LIC	67.7 3,392	15.9 349	0.04 0.04
WKYT-TV D21 DT LIC	602.8 42,550	15.8 273	0.04 0.03

Interference to proposal scenario 8  
6.49% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WYMT-TV	D20	DT	APP	HAZARD, KY	WYMT-TV Ch20 710KW	
Undesireds:	WDKY-TV	D19	DT	CP	DANVILLE, KY	BLANK0000127585	126.2 km
	WKPZ-CD	D19	DC	LIC	KINGSPORT, TN	BLANK0000001597	91.0
	WUNF-TV	D20	DD	LIC	ASHEVILLE, NC	BLANK0000093577	226.4
	WUNC-TV	D20	DT	LIC	CHAPEL HILL, NC	BLANK0000138116	387.7
	WLWT	D20	DT	CP	CINCINNATI, OH	BLANK0000127507	244.4
	WZTV	D20	DT	LIC	NASHVILLE, TN	BLANK0000115725	338.0
	WKYT-TV	D21	DT	LIC	LEXINGTON, KY	BLANK0000074953	142.9

Service area	Terrain-limited	IX-free	Percent IX
40230.0 1,180,690	35683.7 939,769	34624.0 878,785	2.97 6.49

Undesired	Total IX	Unique IX	Prcnt Unique IX
WDKY-TV D19 DT CP	721.9 51,128	83.3 3,721	0.23 0.40
WKPZ-CD D19 DC LIC	27.9 511	11.9 115	0.03 0.01
WUNF-TV D20 DD LIC	63.8 2,001	43.8 1,605	0.12 0.17
WUNC-TV D20 DT LIC	4.0 0	0.0 0	0.00 0.00
WLWT D20 DT CP	702.4 41,344	178.7 5,839	0.50 0.62
WZTV D20 DT LIC	67.7 3,392	15.9 349	0.04 0.04
WKYT-TV D21 DT LIC	602.8 42,550	15.8 273	0.04 0.03

**Table 2**

**Overlapping Authorized Alternate Television Services**

prepared for

**Gray Television Licensee, LLC**

WYMT-TV Hazard, KY

Call Sign	Ch.	Facility ID	Status	File Number	Community
WLJC-TV	7	27696	Lic	BLCDDT-20120217AAO	Beattyville, KY
WKNX-TV	7	83931	Lic	BLCDDT-20040810ABE	Knoxville, TN
WSWP-TV	8	71680	CP	0000034625	Grandview, WV
WJHL-TV	9	57826	Lic	0000116747	Johnson City, TN
WVPB-TV	9	71657	Lic	0000141956	Huntington, WV
WBIR-TV	10	46984	Lic	BLCDDT-20090619ADG	Knoxville, TN
WOWK-TV	10	23342	Lic	0000117991	Huntington, WV
WYCW	11	70149	Lic	0000117888	Asheville, NC
WSPA-TV	11	66391	Lic	0000116958	Spartanburg, SC
WVNS-TV	11	74169	Lic	0000126737	Lewisburg, WV
WTSF	13	67798	Lic	0000117277	Ashland, KY
WLOS	13	56537	Lic	BLCDDT-20101014ABR	Asheville, NC
WAGV	14	37809	Lic	0000071709	Harlan, KY
WLFG	14	37808	Lic	0000071597	Grundy, VA
WQCW	15	65130	Lic	0000100248	Portsmouth, OH
WTNZ	15	19200	Lic	0000081278	Knoxville, TN
WKSO-TV	17	34222	Lic	0000087465	Somerset, KY
WHNS	17	72300	Lic	0000083635	Greenville, SC
WVVA	17	74176	CP	0000127491	Bluefield, WV
WPXK-TV	18	52628	Lic	0000081463	Jellico, TN
WLPX-TV	18	73189	Lic	0000118002	Charleston, WV
WDKY-TV	19	64017	CP	0000127585	Danville, KY
WUNF-TV	20	69300	Lic	0000093577	Asheville, NC
WKYT-TV	21	24914	Lic	0000074953	Lexington, KY
WSAZ-TV	22	36912	Lic	0000100249	Huntington, WV
WKPI-TV	23	34200	Lic	0000087418	Pikeville, KY
WETP-TV	24	18252	Lic	0000120200	Sneedville, TN
WVAH-TV	24	417	Lic	0000087458	Charleston, WV
WUPX-TV	25	23128	Lic	0000075153	Richmond, KY
WLFB	25	37806	Lic	0000123625	Bluefield, WV
WATE-TV	26	71082	Lic	BMLCDDT-20041203AEG	Knoxville, TN
WTVQ-DT	27	51597	Lic	0000087240	Lexington, KY
WUNW	27	83822	Lic	BLEDT-20110921AAA	Canton, NC
WLEX-TV	28	73203	Lic	0000087372	Lexington, KY
WEMT	28	40761	Lic	0000072087	Greeneville, TN
WKOP-TV	29	18267	Lic	0000081273	Knoxville, TN
WCHS-TV	29	71280	Lic	0000059340	Charleston, WV
WKMR	30	34202	Lic	0000075044	Morehead, KY
WBXX-TV	31	72971	Lic	0000081641	Crossville, TN
WOAY-TV	31	66804	Lic	0000096583	Oak Hill, WV
WKPT-TV	32	27504	Lic	0000070485	Kingsport, TN
WKHA	33	34196	Lic	0000075043	Hazard, KY
WVLT-TV	34	35908	Lic	0000081956	Knoxville, TN
WKLE	35	34207	Lic	0000087400	Lexington, KY
WCYB-TV	35	2455	R&O	0000127663	Bristol, VA
WKAS	36	34171	Lic	0000087441	Ashland, KY
WUNE-TV	36	69114	Lic	0000111606	Linville, NC
WVLR	36	81750	Lic	0000097858	Tazewell, TN