



ENGINEERING EXHIBIT

Incentive Auction Channel Reassignment

Application for Digital Television Station Construction Permit

prepared for

Gray Television Licensee, LLC

WQCW(DT) Portsmouth, OH
Facility ID 65130
Ch. 15 1000 kW 386 m

Gray Television Licensee, LLC (“Gray”) is the licensee of digital television station WQCW(DT), Channel 17, Facility ID 65130, Portsmouth, OH. *Gray* herein proposes construction of the WQCW post-auction facility on Channel 15. Reassignment of WQCW from Channel 17 to Channel 15 was specified in the *Incentive Auction Closing and Channel Reassignment Public Notice* (“CCRPN”, DA 17-317, released April 13, 2017).

As proposed herein, WQCW will be relocated to a different tower which is 1.0 km distant from the licensed WQCW site. The proposed Channel 15 operation will employ a new broadband antenna system to be top-mounted on the tower structure associated with FCC Antenna Structure Registration number 1035121 (owned by *Gray*). The proposed antenna will be shared with the post-auction facility for WSAZ-TV (Fac ID 36912, Channel 22, Huntington, WV), under common ownership with WQCW. No change to the overall structure height will result.

Gray proposes to operate WQCW with an effective radiated power (“ERP”) of 1000 kW at 386 meters antenna height above average terrain (“HAAT”). The proposed antenna is a nondirectional elliptically polarized Dielectric model TUM-O4-15/60H-R-1-T (30 percent vertical polarization). The horizontally polarized ERP is 1000 kW and the vertically polarized ERP is 300 kW.

A map is supplied as Figure 1 which depicts the standard predicted coverage contours. This map includes the location of Portsmouth, WQCW's principal community. As demonstrated thereon, the proposed facility complies with §73.625(a)(1) as the entire principal community will be encompassed by the 48 dB μ contour.

The proposed noise limited service contour ("NLSC") extends beyond that of the CCRPN parameters of 952 kW ERP and 396 meters HAAT. The proposal complies with §73.3700(b)(ii) as described in the following.

The 1.0 km change in transmitting location results in a corresponding shift in coverage contour. WQCW therefore qualifies under §73.3700(b)(ii)(A) for a contour extension due to the loss of coverage area that would otherwise result from use of the proposed site.

Interference study per FCC OET Bulletin 69¹ shows that the proposal complies with the 0.5 percent limit of new interference caused to pertinent nearby post-auction full service and Class A television stations and reassessments as required by §73.616. The interference study output report is provided as Table 1. This satisfies §73.3700(b)(ii)(C) for the proposed NLSC extension.

The amount of NLSC extension does not exceed one percent in any direction. Figure 2 supplies a coverage contour comparison of the proposed WQCW facility to the reassignment facility's contour and a one percent extension distance of the reassignment facility's contour. Here, the contour level is adjusted with the dipole factor to match FCC application processing. Table 1's results also demonstrate that the proposed contour is within the baseline contour plus one percent. Therefore the proposed contour extension complies with §73.3700(b)(ii)(B).

¹FCC 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 1 km terrain increment. Comparisons of various results of this computer program (run on a Mac processor) to the FCCs implementation of TVStudy show excellent correlation.

The proposed WQCW facility's terrain-limited population provides a 98.8 percent match of the CCRPN baseline facility, as detailed in the following table. The OET Bulletin 69 report summary in Table 1 also concludes that the proposed service area population is more than 95 percent of the baseline population.

Terrain Limited Population - Match of Reassignment

| Population Summary (2010 Census) OET Bulletin 69: TVStudy | Reassignment Parameters | Proposed |
|--------------------------------------------------------------|----------------------------|---------------|
| Within Noise Limited Contour | 1,319,479 | 1,307,345 |
| Not affected by terrain losses | 1,250,426 | 1,236,020 |
| Match of Reassignment | --- | 98.85% |

The proposed 1000 kW ERP exceeds the maximum allowed for the proposed antenna HAAT of 386 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 the same market. As demonstrated in Figure 3, the total area within the proposed WQCW NLSC is 34,501 square kilometers, which does not exceed the 36,722 sq. km NLSC area of WVAH-TV (Ch. 19, Charleston WV, BLCDT-20050621AAV) and WCHS-TV (Ch. 41, Charleston WV, BLCDT-20050621AAQ).² Thus, the 1000 kW ERP specified herein is in compliance with §73.622(f)(5) of the FCC's Rules.

The nearest FCC monitoring station is 474 km distant at Laurel, MD. This exceeds by a large margin the threshold minimum distance specified in §73.1030(c)(3) that would suggest consideration of the monitoring station. The site is not located within the areas requiring coordination with "quiet" zones specified in §73.1030(a) and (b). The site location is beyond the border areas requiring international coordination. There are no authorized AM stations within 3 kilometers of the site.

Human Exposure to Radiofrequency Electromagnetic Field (Environmental)

The proposed operation was evaluated for human exposure to RF energy using the procedures outlined in the FCC's OET Bulletin Number 65. Based on OET-65 equation (10), and considering 10 percent antenna relative field in downward elevations (pattern data shows

²WVAH-TV and WCHS-TV utilize a shared nondirectional antenna system with identical ERP, therefore the area within their NLSC is also identical.

less than 10 percent relative field at angles 10 to 90 degrees below the antenna), the calculated signal density near the tower at two meters above ground level attributable to the proposed facility is $4.8 \mu\text{W/cm}^2$, which is 1.5 percent of the general population/uncontrolled maximum permitted exposure limit. This is well below the five percent threshold limit described in §1.1307(b) regarding sites with multiple emitters, categorically excluding the applicant from responsibility for taking any corrective action in the areas where the proposal's contribution is less than five percent.

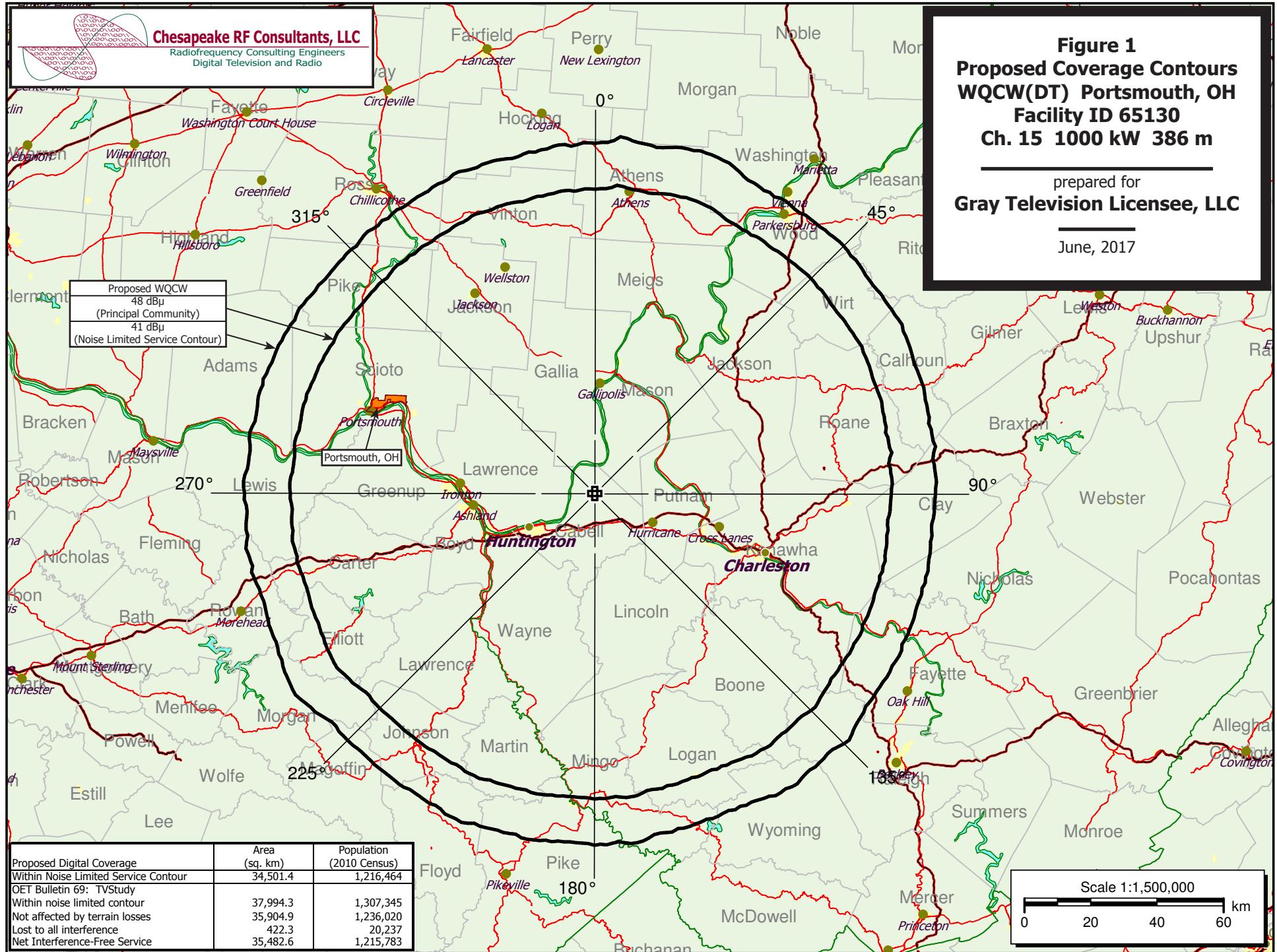
The general public will not be exposed to RF levels attributable to the proposal in excess of the FCC's guidelines. RF exposure warning signs will continue to be posted. With respect to worker safety, the applicant will coordinate exposure procedures with all pertinent stations and will reduce power or cease operation as necessary to protect persons having access to the site, tower, or antenna from RF electromagnetic field exposure in excess of FCC guidelines. This exhibit is limited to the evaluation of exposure to RF electromagnetic field. No increase in structure height is proposed.

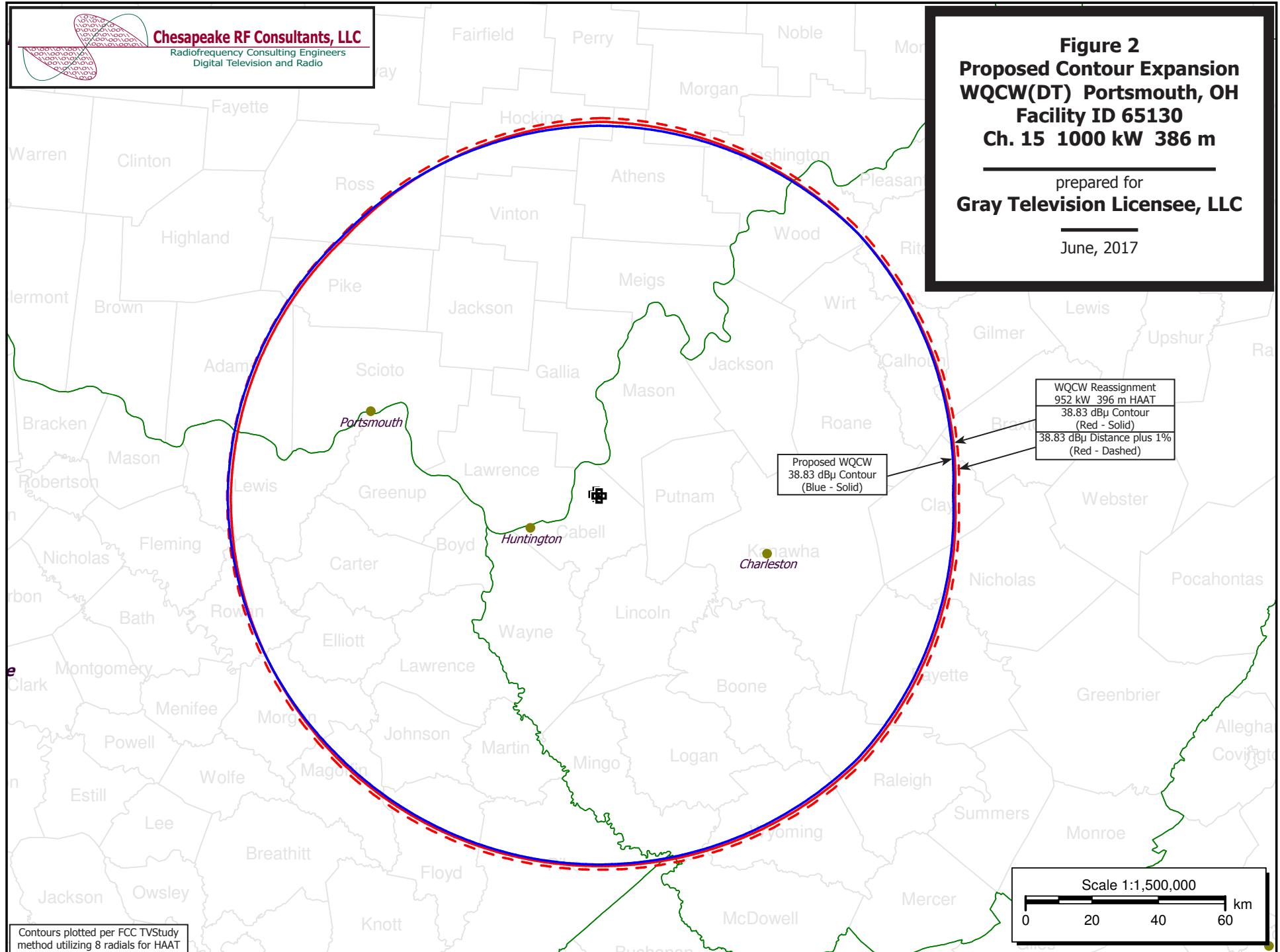
List of Attachments

- Figure 1 Proposed Coverage Contours
- Figure 2 Proposed Contour Expansion
- Figure 3 Maximum ERP per §73.622(f)
- Table 1 OET Bulletin 69 Interference Study
- Form 2100 Saved Version of Engineering Sections from FCC Form at Time of Upload

Chesapeake RF Consultants, LLC

Joseph M. Davis, P.E. June 22, 2017
207 Old Dominion Road Yorktown, VA 23692 703-650-9600





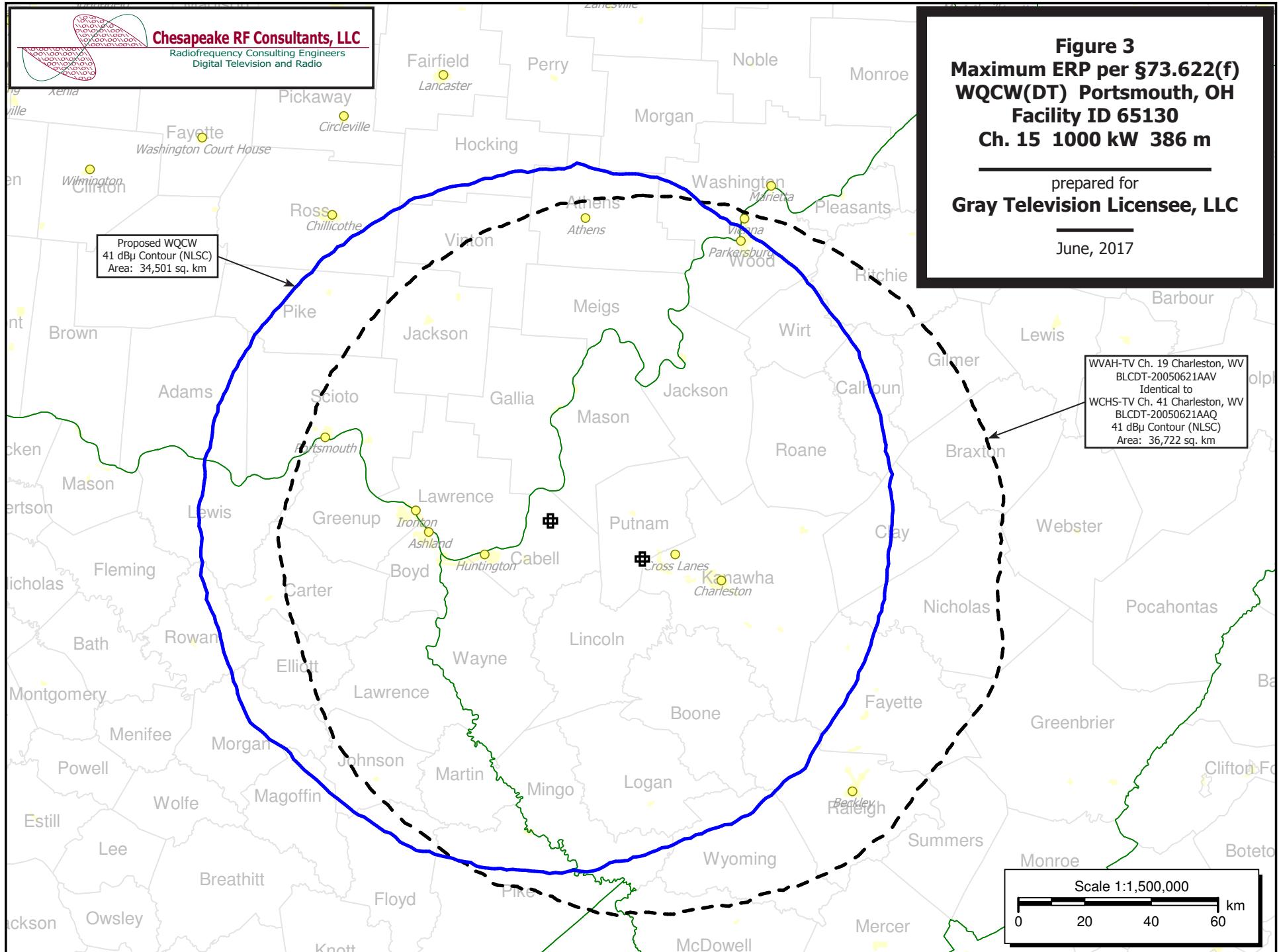


Table 1 WQCW OET Bulletin 69 Interference Study
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tvstudy v2.2.2
Database: localhost, Study: WQCW 1000KW PROP, Model: Longley-Rice
Start: 2017.06.22 09:49:34

Study created: 2017.06.22 09:49:23

Study build station data: LMS TV 2017-06-21 LMSTV

Proposal: WQCW D15 DT APP PORTSMOUTH, OH
File number: WQCW 1000KW PROP
Facility ID: 65130
Station data: User record
Record ID: 565
Country: U.S.

Stations potentially affected:

| Call | Chan | Svc | Status | City, State | File Number | Distance |
|---------|------|-----|--------|--------------------|------------------|----------|
| WCMH-TV | D14 | DT | LIC | COLUMBUS, OH | BLCDT20050823AAD | 176.7 km |
| WLFG | D14 | DT | BL | GRUNDY, VA | DTVBL37808 | 187.2 |
| WTTK | D15 | DT | CP | KOKOMO, IN | BLANK0000024884 | 375.7 |
| WTTK | D15 | DT | BL | KOKOMO, IN | DTVBL56526 | 375.7 |
| WLCU-CD | D15 | DC | BL | CAMPBELLSVILLE, KY | DTVBL8500 | 304.3 |
| WXIX-TV | D15 | DT | BL | NEWPORT, KY | DTVBL39738 | 212.8 |
| WPBM-CD | D15 | DC | BL | SCOTTSVILLE, KY | DTVBL30580 | 387.6 |
| WRAZ | D15 | DT | BL | RALEIGH, NC | DTVBL64611 | 454.3 |
| WEWS-TV | D15 | DT | LIC | CLEVELAND, OH | BLCDT20091211ACS | 321.2 |
| WOHL-CD | D15 | DC | BL | LIMA, OH | DTVBL68549 | 297.7 |
| WPSU-TV | D15 | DD | LIC | CLEARFIELD, PA | BLEDT20130614ACC | 433.9 |
| WTNZ | D15 | DT | BL | KNOXVILLE, TN | DTVBL19200 | 317.6 |
| WFDC-DT | D15 | DT | LIC | ARLINGTON, VA | BLCDT20120515ABF | 448.0 |
| WOSU-TV | D16 | DT | BL | COLUMBUS, OH | DTVBL66185 | 193.0 |

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D15
Latitude: 38 30 36.30 N (NAD83)
Longitude: 82 13 9.50 W
Height AMSL: 612.1 m
HAAT: 385.7 m
Peak ERP: 1000 kW
Antenna: Omnidirectional

38.8 dBu contour:

| Azimuth | ERP | HAAT | Distance |
|---------|---------|---------|----------|
| 0.0 deg | 1000 kW | 391.5 m | 110.6 km |
| 45.0 | 1000 | 393.6 | 110.8 |
| 90.0 | 1000 | 356.0 | 107.0 |
| 135.0 | 1000 | 399.3 | 111.3 |
| 180.0 | 1000 | 394.5 | 110.9 |
| 225.0 | 1000 | 387.1 | 110.1 |
| 270.0 | 1000 | 390.9 | 110.5 |
| 315.0 | 1000 | 372.7 | 108.7 |

ERP exceeds maximum

ERP: 1000 kW ERP maximum: 931 kW

Proposal service area is within baseline plus 1.0%

Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 352.3 km

Distance to Mexican border: 1957.7 km

Conditions at FCC monitoring station: Laurel MD

Bearing: 79.5 degrees Distance: 472.9 km

Proposal is not within the West Virginia quiet zone area

Table 1 WQCW OET Bulletin 69 Interference Study
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Conditions at Table Mountain receiving zone:
Bearing: 282.6 degrees Distance: 1980.8 km

No land mobile station failures found

Study cell size: 2.00 km
Profile point spacing: 1.00 km

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

Interference to BLCDT20050823AAD LIC, scenario 1

| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
|-------------------|-----------|---------|-----------|----------|-------------------|------------------|----------------|
| | WCMH-TV | D14 | DT | LIC | COLUMBUS, OH | BLCDT20050823AAD | |
| Undesireds: | WQCW | D15 | DT | BL | PORTSMOUTH, OH | DTVBL65130 | 177.5 km |
| | WQCW | D15 | DT | APP | PORTSMOUTH, OH | WQCW 1000KW PROP | 176.7 |
| | WLKY | D14 | DT | APP | LOUISVILLE, KY | BLANK0000025154 | 300.0 |
| | WLAJ | D14 | DT | BL | LANSING, MI | DTVBL36533 | 299.6 |
| | WLFG | D14 | DT | BL | GRUNDY, VA | DTVBL37808 | 358.8 |
| | WXIX-TV | D15 | DT | BL | NEWPORT, KY | DTVBL39738 | 160.9 |
| | WEWS-TV | D15 | DT | LIC | CLEVELAND, OH | BLCDT20091211ACS | 191.1 |
| | WOHL-CD | D15 | DC | BL | LIMA, OH | DTVBL68549 | 127.2 |
| Service area | | | | | Terrain-limited | IX-free, before | IX-free, after |
| 28659.8 | 2,756,260 | 27872.2 | 2,712,989 | 27412.2 | 2,693,355 | 27420.1 | 2,693,293 |
| Undesired | | | | Total IX | Unique IX, before | Unique IX, after | Percent New IX |
| WQCW D15 DT BL | | | 43.8 | 507 | 31.9 | 403 | -0.03 |
| WQCW D15 DT APP | | | 31.9 | 547 | | 23.9 | 465 |
| WLKY D14 DT APP | | | 156.3 | 9,682 | 100.1 | 2,630 | 2,630 |
| WLAJ D14 DT BL | | | 168.5 | 12,663 | 8.0 | 374 | 374 |
| WLFG D14 DT BL | | | 99.6 | 2,277 | 71.7 | 1,861 | 1,883 |
| WOHL-CD D15 DC BL | | | 192.3 | 7,622 | 60.1 | 1,661 | 1,661 |

Interference to BLCDT20050823AAD LIC, scenario 2

| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
|-------------------|-----------|---------|-----------|-------------------|------------------|------------------|----------------|
| | WCMH-TV | D14 | DT | LIC | COLUMBUS, OH | BLCDT20050823AAD | |
| Undesireds: | WQCW | D15 | DT | BL | PORTSMOUTH, OH | DTVBL65130 | 177.5 km |
| | WQCW | D15 | DT | APP | PORTSMOUTH, OH | WQCW 1000KW PROP | 176.7 |
| | WLKY | D14 | DT | BL | LOUISVILLE, KY | DTVBL53939 | 300.0 |
| | WLAJ | D14 | DT | BL | LANSING, MI | DTVBL36533 | 299.6 |
| | WLFG | D14 | DT | BL | GRUNDY, VA | DTVBL37808 | 358.8 |
| | WXIX-TV | D15 | DT | BL | NEWPORT, KY | DTVBL39738 | 160.9 |
| | WEWS-TV | D15 | DT | LIC | CLEVELAND, OH | BLCDT20091211ACS | 191.1 |
| | WOHL-CD | D15 | DC | BL | LIMA, OH | DTVBL68549 | 127.2 |
| Service area | | | | Terrain-limited | IX-free, before | IX-free, after | Percent New IX |
| 28659.8 | 2,756,260 | 27872.2 | 2,712,989 | 27384.1 | 2,691,741 | 27392.1 | 2,691,679 |
| Undesired | | | Total IX | Unique IX, before | Unique IX, after | Unique IX, after | |
| WQCW D15 DT BL | | | 43.8 | 507 | 31.9 | 403 | |
| WQCW D15 DT APP | | | 31.9 | 547 | | 23.9 | 465 |
| WLKY D14 DT BL | | | 184.4 | 11,296 | 128.1 | 4,244 | 128.1 |
| WLAJ D14 DT BL | | | 168.5 | 12,663 | 8.0 | 374 | 8.0 |
| WLFG D14 DT BL | | | 99.6 | 2,277 | 71.7 | 1,861 | 75.7 |
| WOHL-CD D15 DC BL | | | 192.3 | 7,622 | 60.1 | 1,661 | 60.1 |

Interference to DTVBL37808 BL, scenario 1

| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
|-------------|------|------|-----|--------|----------------|------------------|----------|
| | WLFG | D14 | DT | BL | GRUNDY, VA | DTVBL37808 | |
| Undesireds: | WQCW | D15 | DT | BL | PORTSMOUTH, OH | DTVBL65130 | 186.6 km |
| | WQCW | D15 | DT | APP | PORTSMOUTH, OH | WQCW 1000KW PROP | 187.2 |

Table 1 WQCW OET Bulletin 69 Interference Study
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| | | | | | | |
|-------------------------------------------|-----------|----------|-----------|-----------------|------------------------|------------------------|
| WSKC-CD | D14 | DC | BL | ATLANTA, GA | DTVBL35090 | 368.7 |
| WLKY | D14 | DT | APP | LOUISVILLE, KY | BLANK0000025154 | 371.9 |
| WRDC | D14 | DT | BL | DURHAM, NC | DTVBL54963 | 342.5 |
| WHKY-TV | D14 | DD | CP | HICKORY, NC | BLANK0000024614 | 139.1 |
| WCMH-TV | D14 | DT | LIC | COLUMBUS, OH | BLCDT20050823AAD | 358.8 |
| WDSI-TV | D14 | DT | BL | CHATTANOOGA, TN | DTVBL71353 | 339.3 |
| W21CK-D | D15 | DC | BL | CHARLOTTE, NC | DTVBL67022 | 211.0 |
| WTNZ | D15 | DT | BL | KNOXVILLE, TN | DTVBL19200 | 190.3 |
| Service area | | | | | | |
| 46547.5 | 1,614,321 | 38181.3 | 1,289,306 | 36972.4 | IX-free, before | |
| | | | | 1,257,829 | IX-free, after | Percent New IX |
| | | | | | 36972.5 | -0.00 |
| | | | | | 1,257,711 | 0.01 |
| Undesired | | | | Total IX | Unique IX, before | Unique IX, after |
| WQCW D15 DT BL | | 67.4 | | 1,450 | 55.5 | 645 |
| WQCW D15 DT APP | | 67.4 | | 1,654 | | 55.5 |
| WLKY D14 DT APP | | 88.0 | | 2,149 | 60.1 | 1,152 |
| WRDC D14 DT BL | | 355.1 | | 10,513 | 187.6 | 5,722 |
| WHKY-TV D14 DD CP | | 782.3 | | 19,879 | 571.0 | 13,884 |
| WCMH-TV D14 DT LIC | | 111.3 | | 3,618 | 67.5 | 2,128 |
| WDSI-TV D14 DT BL | | 16.0 | | 145 | 16.0 | 145 |
| WTNZ D15 DT BL | | 24.0 | | 737 | 20.0 | 339 |
| ----- | | | | | | |
| Interference to DTVBL37808 BL, scenario 2 | | | | | | |
| Desired: | Call WLFG | Chan D14 | Svc DT | Status BL | City, State GRUNDY, VA | File Number DTVBL37808 |
| Undesireds: | WQCW | D15 | DT | BL | PORTSMOUTH, OH | DTVBL65130 |
| | WQCW | D15 | DT | APP | PORTSMOUTH, OH | WQCW 1000KW PROP |
| | WSKC-CD | D14 | DC | BL | ATLANTA, GA | DTVBL35090 |
| | WLKY | D14 | DT | BL | LOUISVILLE, KY | DTVBL53939 |
| | WRDC | D14 | DT | BL | DURHAM, NC | DTVBL54963 |
| | WHKY-TV | D14 | DD | CP | HICKORY, NC | BLANK0000024614 |
| | WCMH-TV | D14 | DT | LIC | COLUMBUS, OH | BLCDT20050823AAD |
| | WDSI-TV | D14 | DT | BL | CHATTANOOGA, TN | DTVBL71353 |
| | W21CK-D | D15 | DC | BL | CHARLOTTE, NC | DTVBL67022 |
| | WTNZ | D15 | DT | BL | KNOXVILLE, TN | DTVBL19200 |
| Service area | | | | Terrain-limited | IX-free, before | IX-free, after |
| 46547.5 | 1,614,321 | 38181.3 | 1,289,306 | 36976.5 | 1,257,829 | Percent New IX |
| | | | | | 36976.5 | -0.00 |
| | | | | | 1,257,711 | 0.01 |
| Undesired | | | | Total IX | Unique IX, before | Unique IX, after |
| WQCW D15 DT BL | | 67.4 | | 1,450 | 55.5 | 645 |
| WQCW D15 DT APP | | 67.4 | | 1,654 | | 55.5 |
| WLKY D14 DT BL | | 84.0 | | 2,149 | 56.0 | 1,152 |
| WRDC D14 DT BL | | 355.1 | | 10,513 | 187.6 | 5,722 |
| WHKY-TV D14 DD CP | | 782.3 | | 19,879 | 571.0 | 13,884 |
| WCMH-TV D14 DT LIC | | 111.3 | | 3,618 | 67.5 | 2,128 |
| WDSI-TV D14 DT BL | | 16.0 | | 145 | 16.0 | 145 |
| WTNZ D15 DT BL | | 24.0 | | 737 | 20.0 | 339 |
| ----- | | | | | | |
| Interference to DTVBL37808 BL, scenario 3 | | | | | | |
| Desired: | Call WLFG | Chan D14 | Svc DT | Status BL | City, State GRUNDY, VA | File Number DTVBL37808 |
| Undesireds: | WQCW | D15 | DT | BL | PORTSMOUTH, OH | DTVBL65130 |
| | WQCW | D15 | DT | APP | PORTSMOUTH, OH | WQCW 1000KW PROP |
| | WSKC-CD | D14 | DC | BL | ATLANTA, GA | DTVBL35090 |
| | WLKY | D14 | DT | APP | LOUISVILLE, KY | BLANK0000025154 |
| | WRDC | D14 | DT | BL | DURHAM, NC | DTVBL54963 |
| | WHKY-TV | D14 | DD | BL | HICKORY, NC | DTVBL65919 |
| | WCMH-TV | D14 | DT | LIC | COLUMBUS, OH | BLCDT20050823AAD |
| | WDSI-TV | D14 | DT | BL | CHATTANOOGA, TN | DTVBL71353 |
| | W21CK-D | D15 | DC | BL | CHARLOTTE, NC | DTVBL67022 |
| | WTNZ | D15 | DT | BL | KNOXVILLE, TN | DTVBL19200 |
| Service area | | | | Terrain-limited | IX-free, before | IX-free, after |
| 46547.5 | 1,614,321 | 38181.3 | 1,289,306 | 36964.5 | 1,257,594 | Percent New IX |
| | | | | | 36964.5 | -0.00 |
| | | | | | 1,257,476 | 0.01 |
| Undesired | | | | Total IX | Unique IX, before | Unique IX, after |

Table 1 WQCW OET Bulletin 69 Interference Study
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| | | | | | | |
|--------------------|-------|--------|-------|--------|-------|--------|
| WQCW D15 DT BL | 67.4 | 1,450 | 55.5 | 645 | | |
| WQCW D15 DT APP | 67.4 | 1,654 | | | 55.5 | 763 |
| WLKY D14 DT APP | 88.0 | 2,149 | 60.1 | 1,600 | 56.1 | 1,152 |
| WRDC D14 DT BL | 355.1 | 10,513 | 187.6 | 5,722 | 187.6 | 5,722 |
| WHKY-TV D14 DD BL | 786.3 | 20,089 | 578.9 | 14,119 | 578.9 | 14,119 |
| WCMH-TV D14 DT LIC | 111.3 | 3,618 | 71.5 | 2,153 | 71.5 | 2,515 |
| WDSI-TV D14 DT BL | 16.0 | 145 | 16.0 | 145 | 16.0 | 145 |
| WTNZ D15 DT BL | 24.0 | 737 | 20.0 | 339 | 20.0 | 339 |

Interference to DTVBL37808 BL, scenario 4

| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
|--------------|--------------------|---------|-----------|---------|-----------------|-------------------|------------------|
| | WLFG | D14 | DT | BL | GRUNDY, VA | DTVBL37808 | |
| Undesireds: | WQCW | D15 | DT | BL | PORTSMOUTH, OH | DTVBL65130 | 186.6 km |
| | WQCW | D15 | DT | APP | PORTSMOUTH, OH | WQCW 1000KW PROP | 187.2 |
| | WSKC-CD | D14 | DC | BL | ATLANTA, GA | DTVBL35090 | 368.7 |
| | WLKY | D14 | DT | BL | LOUISVILLE, KY | DTVBL53939 | 371.9 |
| | WRDC | D14 | DT | BL | DURHAM, NC | DTVBL54963 | 342.5 |
| | WHKY-TV | D14 | DD | BL | HICKORY, NC | DTVBL65919 | 139.1 |
| | WCMH-TV | D14 | DT | LIC | COLUMBUS, OH | BLCDT20050823AAD | 358.8 |
| | WDSI-TV | D14 | DT | BL | CHATTANOOGA, TN | DTVBL71353 | 339.3 |
| | W21CK-D | D15 | DC | BL | CHARLOTTE, NC | DTVBL67022 | 211.0 |
| | WTNZ | D15 | DT | BL | KNOXVILLE, TN | DTVBL19200 | 190.3 |
| Service area | | | | | Terrain-limited | IX-free, before | IX-free, after |
| 46547.5 | 1,614,321 | 38181.3 | 1,289,306 | 36968.5 | 1,257,594 | 36968.5 | 1,257,476 |
| Undesired | | | | | Total IX | Unique IX, before | Unique IX, after |
| | WQCW D15 DT BL | 67.4 | | 1,450 | 55.5 | 645 | |
| | WQCW D15 DT APP | 67.4 | | 1,654 | | 55.5 | 763 |
| | WLKY D14 DT BL | 84.0 | | 2,149 | 56.0 | 1,600 | 52.1 |
| | WRDC D14 DT BL | 355.1 | | 10,513 | 187.6 | 5,722 | 187.6 |
| | WHKY-TV D14 DD BL | 786.3 | | 20,089 | 578.9 | 14,119 | 578.9 |
| | WCMH-TV D14 DT LIC | 111.3 | | 3,618 | 71.5 | 2,153 | 71.5 |
| | WDSI-TV D14 DT BL | 16.0 | | 145 | 16.0 | 145 | 16.0 |
| | WTNZ D15 DT BL | 24.0 | | 737 | 20.0 | 339 | 20.0 |

Interference to BLANK0000024884 CP, scenario 1

| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
|--------------|--------------------|---------|-----------|---------|--------------------|-------------------|------------------|
| | WTTK | D15 | DT | CP | KOKOMO, IN | BLANK0000024884 | |
| Undesireds: | WQCW | D15 | DT | BL | PORTSMOUTH, OH | DTVBL65130 | 376.7 km |
| | WQCW | D15 | DT | APP | PORTSMOUTH, OH | WQCW 1000KW PROP | 375.7 |
| | WLKY | D14 | DT | APP | LOUISVILLE, KY | BLANK0000025154 | 172.0 |
| | W15BU-D | D15 | DC | LIC | JOHNSON CITY, IL | BLDTA20090804AAF | 327.6 |
| | WICS | D15 | DT | BL | SPRINGFIELD, IL | DTVBL25686 | 278.3 |
| | WYYW-CD | D15 | DC | LIC | EVANSVILLE, IN | BLDTA20130109AGB | 230.7 |
| | WLCU-CD | D15 | DC | BL | CAMPBELLSVILLE, KY | DTVBL8500 | 292.1 |
| | WXIX-TV | D15 | DT | BL | NEWPORT, KY | DTVBL39738 | 165.5 |
| | WPBM-CD | D15 | DC | BL | SCOTTSVILLE, KY | DTVBL30580 | 339.8 |
| | W33BY-D | D15 | DC | BL | DETROIT, MI | DTVBL25722 | 382.3 |
| | WXSP-CD | D15 | DC | LIC | GRAND RAPIDS, MI | BLDTA20100714AAG | 349.8 |
| | WOHL-CD | D15 | DC | BL | LIMA, OH | DTVBL68549 | 199.7 |
| | WFWC-CD | D16 | DC | BL | FORT WAYNE, IN | DTVBL67485 | 161.5 |
| | WDNI-CD | D16 | DC | BL | INDIANAPOLIS, IN | DTVBL28199 | 14.5 |
| | WMYO | D16 | DT | BL | SALEM, IN | DTVBL34167 | 173.7 |
| Service area | | | | | Terrain-limited | IX-free, before | IX-free, after |
| 27338.7 | 2,817,698 | 27143.1 | 2,795,837 | 26045.5 | 2,760,599 | 26045.5 | 2,760,599 |
| Undesired | | | | | Total IX | Unique IX, before | Unique IX, after |
| | WQCW D15 DT BL | 55.7 | | 2,599 | 0.0 | 0 | |
| | WQCW D15 DT APP | 51.7 | | 2,545 | | 0.0 | 0 |
| | WICS D15 DT BL | 299.3 | | 8,959 | 247.4 | 4,360 | 247.4 |
| | WYYW-CD D15 DC LIC | 4.0 | | 0 | 4.0 | 0 | 4.0 |
| | WXIX-TV D15 DT BL | 842.1 | | 30,813 | 714.6 | 23,086 | 718.6 |
| | WOHL-CD D15 DC BL | 4.0 | | 807 | 0.0 | 0 | 0.0 |
| | WDNI-CD D16 DC BL | 8.0 | | 215 | 4.0 | 65 | 4.0 |
| | WMYO D16 DT BL | 20.0 | | 529 | 0.0 | 0 | 0.0 |

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Interference to BLANK0000024884 CP, scenario 2

| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
|--------------------|-----------|-----------------|-----------|-------------------|--------------------|------------------|-----------|
| | WTTK | D15 | DT | CP | KOKOMO, IN | BLANK0000024884 | |
| Undesireds: | WQCW | D15 | DT | BL | PORTSMOUTH, OH | DTVBL65130 | 376.7 km |
| | WQCW | D15 | DT | APP | PORTSMOUTH, OH | WQCW 1000KW PROP | 375.7 |
| | WLKY | D14 | DT | BL | LOUISVILLE, KY | DTVBL53939 | 172.0 |
| | W15BU-D | D15 | DC | LIC | JOHNSON CITY, IL | BLDTA20090804AAF | 327.6 |
| | WICS | D15 | DT | BL | SPRINGFIELD, IL | DTVBL25686 | 278.3 |
| | WYYW-CD | D15 | DC | LIC | EVANSVILLE, IN | BLDTA20130109AGB | 230.7 |
| | WLCU-CD | D15 | DC | BL | CAMPBELLSVILLE, KY | DTVBL8500 | 292.1 |
| | WXIX-TV | D15 | DT | BL | NEWPORT, KY | DTVBL39738 | 165.5 |
| | WPBM-CD | D15 | DC | BL | SCOTTSVILLE, KY | DTVBL30580 | 339.8 |
| | W33BY-D | D15 | DC | BL | DETROIT, MI | DTVBL25722 | 382.3 |
| | WXSP-CD | D15 | DC | LIC | GRAND RAPIDS, MI | BLDTA20100714AAG | 349.8 |
| | WOHL-CD | D15 | DC | BL | LIMA, OH | DTVBL68549 | 199.7 |
| | WFWC-CD | D16 | DC | BL | FORT WAYNE, IN | DTVBL67485 | 161.5 |
| | WDNI-CD | D16 | DC | BL | INDIANAPOLIS, IN | DTVBL28199 | 14.5 |
| | WMYO | D16 | DT | BL | SALEM, IN | DTVBL34167 | 173.7 |
| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | |
| 27338.7 | 2,817,698 | 27143.1 | 2,795,837 | 26045.5 | 2,760,599 | 26045.5 | 2,760,599 |
| Undesired | | Total IX | | Unique IX, before | | Unique IX, after | |
| WQCW D15 DT BL | | 55.7 | 2,599 | 0.0 | 0 | 0.0 | 0 |
| WQCW D15 DT APP | | 51.7 | 2,545 | | | | |
| WICS D15 DT BL | | 299.3 | 8,959 | 247.4 | 4,360 | 247.4 | 4,360 |
| WYYW-CD D15 DC LIC | | 4.0 | 0 | 4.0 | 0 | 4.0 | 0 |
| WXIX-TV D15 DT BL | | 842.1 | 30,813 | 714.6 | 23,086 | 718.6 | 23,140 |
| WOHL-CD D15 DC BL | | 4.0 | 807 | 0.0 | 0 | 0.0 | 0 |
| WDNI-CD D16 DC BL | | 8.0 | 215 | 4.0 | 65 | 4.0 | 65 |
| WMYO D16 DT BL | | 20.0 | 529 | 0.0 | 0 | 0.0 | 0 |

Interference to DTVBL56526 BL, scenario 1

| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
|--------------------|-----------|-----------------|-----------|-------------------|--------------------|------------------|-----------|
| | WTTK | D15 | DT | BL | KOKOMO, IN | DTVBL56526 | |
| Undesireds: | WQCW | D15 | DT | BL | PORTSMOUTH, OH | DTVBL65130 | 376.7 km |
| | WQCW | D15 | DT | APP | PORTSMOUTH, OH | WQCW 1000KW PROP | 375.7 |
| | WLKY | D14 | DT | APP | LOUISVILLE, KY | BLANK0000025154 | 172.0 |
| | W15BU-D | D15 | DC | LIC | JOHNSON CITY, IL | BLDTA20090804AAF | 327.6 |
| | WICS | D15 | DT | BL | SPRINGFIELD, IL | DTVBL25686 | 278.3 |
| | WYYW-CD | D15 | DC | LIC | EVANSVILLE, IN | BLDTA20130109AGB | 230.7 |
| | WLCU-CD | D15 | DC | BL | CAMPBELLSVILLE, KY | DTVBL8500 | 292.2 |
| | WXIX-TV | D15 | DT | BL | NEWPORT, KY | DTVBL39738 | 165.5 |
| | WPBM-CD | D15 | DC | BL | SCOTTSVILLE, KY | DTVBL30580 | 339.8 |
| | W33BY-D | D15 | DC | BL | DETROIT, MI | DTVBL25722 | 382.3 |
| | WXSP-CD | D15 | DC | LIC | GRAND RAPIDS, MI | BLDTA20100714AAG | 349.7 |
| | WOHL-CD | D15 | DC | BL | LIMA, OH | DTVBL68549 | 199.7 |
| | WFWC-CD | D16 | DC | BL | FORT WAYNE, IN | DTVBL67485 | 161.5 |
| | WDNI-CD | D16 | DC | BL | INDIANAPOLIS, IN | DTVBL28199 | 14.5 |
| | WMYO | D16 | DT | BL | SALEM, IN | DTVBL34167 | 173.7 |
| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | |
| 27338.7 | 2,817,698 | 27143.1 | 2,795,808 | 26061.4 | 2,760,894 | 26061.4 | 2,760,894 |
| Undesired | | Total IX | | Unique IX, before | | Unique IX, after | |
| WQCW D15 DT BL | | 55.7 | 2,599 | 0.0 | 0 | 0.0 | 0 |
| WQCW D15 DT APP | | 51.7 | 2,545 | | | | |
| WICS D15 DT BL | | 299.4 | 8,401 | 239.5 | 4,320 | 239.5 | 4,320 |
| WYYW-CD D15 DC LIC | | 8.0 | 110 | 4.0 | 0 | 4.0 | 0 |
| WXIX-TV D15 DT BL | | 838.1 | 30,594 | 698.7 | 23,275 | 702.6 | 23,329 |
| WOHL-CD D15 DC BL | | 4.0 | 807 | 0.0 | 0 | 0.0 | 0 |
| WDNI-CD D16 DC BL | | 4.0 | 150 | 0.0 | 0 | 0.0 | 0 |
| WMYO D16 DT BL | | 20.0 | 529 | 0.0 | 0 | 0.0 | 0 |

Interference to DTVBL56526 BL, scenario 2

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| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
|--------------------|-----------|---------|-----------|----------|--------------------|------------------|----------------|
| | WTTK | D15 | DT | BL | KOKOMO, IN | DTVBL56526 | |
| Undesireds: | WQCW | D15 | DT | BL | PORTSMOUTH, OH | DTVBL65130 | 376.7 km |
| | WQCW | D15 | DT | APP | PORTSMOUTH, OH | WQCW 1000KW PROP | 375.7 |
| | WLKY | D14 | DT | BL | LOUISVILLE, KY | DTVBL53939 | 172.0 |
| | W15BU-D | D15 | DC | LIC | JOHNSON CITY, IL | BLDTA20090804AAF | 327.6 |
| | WICS | D15 | DT | BL | SPRINGFIELD, IL | DTVBL25686 | 278.3 |
| | WYYW-CD | D15 | DC | LIC | EVANSVILLE, IN | BLDTA20130109AGB | 230.7 |
| | WLCU-CD | D15 | DC | BL | CAMPBELLSVILLE, KY | DTVBL8500 | 292.2 |
| | WXIX-TV | D15 | DT | BL | NEWPORT, KY | DTVBL39738 | 165.5 |
| | WPBM-CD | D15 | DC | BL | SCOTTSVILLE, KY | DTVBL30580 | 339.8 |
| | W33BY-D | D15 | DC | BL | DETROIT, MI | DTVBL25722 | 382.3 |
| | WXSP-CD | D15 | DC | LIC | GRAND RAPIDS, MI | BLDTA20100714AAG | 349.7 |
| | WOHL-CD | D15 | DC | BL | LIMA, OH | DTVBL68549 | 199.7 |
| | WFWC-CD | D16 | DC | BL | FORT WAYNE, IN | DTVBL67485 | 161.5 |
| | WDNI-CD | D16 | DC | BL | INDIANAPOLIS, IN | DTVBL28199 | 14.5 |
| | WMYO | D16 | DT | BL | SALEM, IN | DTVBL34167 | 173.7 |
| Service area | | | | | Terrain-limited | IX-free, before | IX-free, after |
| 27338.7 | 2,817,698 | 27143.1 | 2,795,808 | 26061.4 | 2,760,894 | 26061.4 | 2,760,894 |
| Undesired | | | | Total IX | Unique IX, before | Unique IX, after | |
| WQCW D15 DT BL | | 55.7 | | 2,599 | 0.0 | 0 | |
| WQCW D15 DT APP | | 51.7 | | 2,545 | | 0.0 | 0 |
| WICS D15 DT BL | | 299.4 | | 8,401 | 239.5 | 4,320 | 239.5 4,320 |
| WYYW-CD D15 DC LIC | | 8.0 | | 110 | 4.0 | 0 | 4.0 0 |
| WXIX-TV D15 DT BL | | 838.1 | | 30,594 | 698.7 | 23,275 | 702.6 23,329 |
| WOHL-CD D15 DC BL | | 4.0 | | 807 | 0.0 | 0 | 0.0 0 |
| WDNI-CD D16 DC BL | | 4.0 | | 150 | 0.0 | 0 | 0.0 0 |
| WMYO D16 DT BL | | 20.0 | | 529 | 0.0 | 0 | 0.0 0 |

Interference to DTVBL8500 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL8500 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL8500 BL, scenario 3
Proposal causes no interference.

Interference to DTVBL8500 BL, scenario 4
Proposal causes no interference.

Interference to DTVBL8500 BL, scenario 5
Proposal causes no interference.

Interference to DTVBL8500 BL, scenario 6
Proposal causes no interference.

Interference to DTVBL8500 BL, scenario 7
Proposal causes no interference.

Interference to DTVBL8500 BL, scenario 8
Proposal causes no interference.

Interference to DTVBL39738 BL, scenario 1

| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
|-------------|---------|------|-----|--------|----------------|------------------|----------|
| | WXIX-TV | D15 | DT | BL | NEWPORT, KY | DTVBL39738 | |
| Undesireds: | WQCW | D15 | DT | BL | PORTSMOUTH, OH | DTVBL65130 | 213.8 km |
| | WQCW | D15 | DT | APP | PORTSMOUTH, OH | WQCW 1000KW PROP | 212.8 |

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| | | | | | | | |
|-------------------------------------------|--------------|----------|-----------|--------------------|-------------------------|------------------------|-----------|
| WLKY | D14 | DT | APP | LOUISVILLE, KY | BLANK0000025154 | 139.1 | |
| WCMH-TV | D14 | DT | LIC | COLUMBUS, OH | BLCDT20050823AAD | 160.9 | |
| WYYW-CD | D15 | DC | LIC | EVANSVILLE, IN | BLDTA20130109AGB | 268.1 | |
| WTTK | D15 | DT | CP | KOKOMO, IN | BLANK0000024884 | 165.5 | |
| WLCU-CD | D15 | DC | BL | CAMPBELLSVILLE, KY | DTVBL8500 | 209.9 | |
| WPBM-CD | D15 | DC | BL | SCOTTSVILLE, KY | DTVBL30580 | 287.8 | |
| WEWS-TV | D15 | DT | LIC | CLEVELAND, OH | BLCDT20091211ACS | 346.8 | |
| WOHL-CD | D15 | DC | BL | LIMA, OH | DTVBL68549 | 184.1 | |
| WTNZ | D15 | DT | BL | KNOXVILLE, TN | DTVBL19200 | 350.7 | |
| WDNI-CD | D16 | DC | BL | INDIANAPOLIS, IN | DTVBL28199 | 151.4 | |
| WMYO | D16 | DT | BL | SALEM, IN | DTVBL34167 | 141.7 | |
| WOSU-TV | D16 | DT | BL | COLUMBUS, OH | DTVBL66185 | 180.6 | |
| Service area | | | | | | | |
| 19502.8 | 2,825,515 | 19362.4 | 2,809,282 | 17361.8 | 2,703,389 | 17354.1 | |
| | | | | | | | |
| Undesired | | | | Total IX | IX-free, before | IX-free, after | |
| WQCW D15 DT BL | 836.1 | | | 47,786 | 392.1 | 24,357 | |
| WQCW D15 DT APP | 835.7 | | | 48,443 | | 399.8 | |
| WTTK D15 DT CP | 1596.5 | | | 75,615 | 1144.4 | 47,332 | |
| WEWS-TV D15 DT LIC | 16.1 | | | 16,930 | 0.0 | 0 | |
| WOHL-CD D15 DC BL | 16.1 | | | 11,095 | 0.0 | 0 | |
| WMYO D16 DT BL | 28.0 | | | 43 | 4.0 | 0 | |
| | | | | | | | |
| ----- | | | | | | | |
| Interference to DTVBL39738 BL, scenario 2 | | | | | | | |
| Desired: | Call WXIX-TV | Chan D15 | Svc DT | Status BL | City, State NEWPORT, KY | File Number DTVBL39738 | Distance |
| Undesireds: | WQCW | D15 | DT | BL | PORTSMOUTH, OH | DTVBL65130 | 213.8 km |
| | WQCW | D15 | DT | APP | PORTSMOUTH, OH | WQCW 1000KW PROP | 212.8 |
| | WLKY | D14 | DT | BL | LOUISVILLE, KY | DTVBL53939 | 139.1 |
| | WCMH-TV | D14 | DT | LIC | COLUMBUS, OH | BLCDT20050823AAD | 160.9 |
| | WYYW-CD | D15 | DC | LIC | EVANSVILLE, IN | BLDTA20130109AGB | 268.1 |
| | WTTK | D15 | DT | CP | KOKOMO, IN | BLANK0000024884 | 165.5 |
| | WLCU-CD | D15 | DC | BL | CAMPBELLSVILLE, KY | DTVBL8500 | 209.9 |
| | WPBM-CD | D15 | DC | BL | SCOTTSVILLE, KY | DTVBL30580 | 287.8 |
| | WEWS-TV | D15 | DT | LIC | CLEVELAND, OH | BLCDT20091211ACS | 346.8 |
| | WOHL-CD | D15 | DC | BL | LIMA, OH | DTVBL68549 | 184.1 |
| | WTNZ | D15 | DT | BL | KNOXVILLE, TN | DTVBL19200 | 350.7 |
| | WDNI-CD | D16 | DC | BL | INDIANAPOLIS, IN | DTVBL28199 | 151.4 |
| | WMYO | D16 | DT | BL | SALEM, IN | DTVBL34167 | 141.7 |
| | WOSU-TV | D16 | DT | BL | COLUMBUS, OH | DTVBL66185 | 180.6 |
| Service area | | | | Total IX | IX-free, before | IX-free, after | |
| 19502.8 | 2,825,515 | 19362.4 | 2,809,282 | 17361.8 | 2,703,389 | 17354.1 | 2,701,834 |
| | | | | | | | |
| Undesired | | | | Total IX | Unique IX, before | Unique IX, after | |
| WQCW D15 DT BL | 836.1 | | | 47,786 | 392.1 | 24,357 | |
| WQCW D15 DT APP | 835.7 | | | 48,443 | | 399.8 | 25,912 |
| WTTK D15 DT CP | 1596.5 | | | 75,615 | 1144.4 | 47,332 | 1148.6 |
| WEWS-TV D15 DT LIC | 16.1 | | | 16,930 | 0.0 | 0 | 0.0 |
| WOHL-CD D15 DC BL | 16.1 | | | 11,095 | 0.0 | 0 | 0.0 |
| WMYO D16 DT BL | 28.0 | | | 43 | 4.0 | 0 | 4.0 |
| | | | | | | | |
| ----- | | | | | | | |
| Interference to DTVBL39738 BL, scenario 3 | | | | | | | |
| Desired: | Call WXIX-TV | Chan D15 | Svc DT | Status BL | City, State NEWPORT, KY | File Number DTVBL39738 | Distance |
| Undesireds: | WQCW | D15 | DT | BL | PORTSMOUTH, OH | DTVBL65130 | 213.8 km |
| | WQCW | D15 | DT | APP | PORTSMOUTH, OH | WQCW 1000KW PROP | 212.8 |
| | WLKY | D14 | DT | APP | LOUISVILLE, KY | BLANK0000025154 | 139.1 |
| | WCMH-TV | D14 | DT | LIC | COLUMBUS, OH | BLCDT20050823AAD | 160.9 |
| | WYYW-CD | D15 | DC | LIC | EVANSVILLE, IN | BLDTA20130109AGB | 268.1 |
| | WTTK | D15 | DT | BL | KOKOMO, IN | DTVBL56526 | 165.5 |
| | WLCU-CD | D15 | DC | BL | CAMPBELLSVILLE, KY | DTVBL8500 | 209.9 |
| | WPBM-CD | D15 | DC | BL | SCOTTSVILLE, KY | DTVBL30580 | 287.8 |
| | WEWS-TV | D15 | DT | LIC | CLEVELAND, OH | BLCDT20091211ACS | 346.8 |
| | WOHL-CD | D15 | DC | BL | LIMA, OH | DTVBL68549 | 184.1 |
| | WTNZ | D15 | DT | BL | KNOXVILLE, TN | DTVBL19200 | 350.7 |

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| | | | | | | |
|--------------------|-----------|-----------------|-----------|-------------------|------------------|-------------------|
| WDNI-CD | D16 | DC | BL | INDIANAPOLIS, IN | DTVBL28199 | 151.4 |
| WMYO | D16 | DT | BL | SALEM, IN | DTVBL34167 | 141.7 |
| WOSU-TV | D16 | DT | BL | COLUMBUS, OH | DTVBL66185 | 180.6 |
| Service area | | Terrain-limited | | IX-free, before | IX-free, after | Percent New IX |
| 19502.8 | 2,825,515 | 19362.4 | 2,809,282 | 17357.7 | 2,703,331 | 17350.0 2,701,776 |
| Undesired | | Total IX | | Unique IX, before | Unique IX, after | |
| WQCW D15 DT BL | 836.1 | 47,786 | 396.1 | 24,394 | 403.8 | 25,949 |
| WQCW D15 DT APP | 835.7 | 48,443 | | | 1152.6 | 48,288 |
| WTTK D15 DT BL | 1596.5 | 75,636 | 1148.5 | 47,390 | 0 | 0 |
| WEWS-TV D15 DT LIC | 16.1 | 16,930 | 0.0 | 0 | 0.0 | 0 |
| WOHL-CD D15 DC BL | 16.1 | 11,095 | 0.0 | 0 | 0.0 | 0 |
| WMYO D16 DT BL | 28.0 | 43 | 4.0 | 0 | 4.0 | 0 |

Interference to DTVBL39738 BL, scenario 4

| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
|--------------------|-----------|-----------------|-----------|-------------------|--------------------|-------------------|-----------|
| | WXIX-TV | D15 | DT | BL | NEWPORT, KY | DTVBL39738 | |
| Undesireds: | WQCW | D15 | DT | BL | PORTSMOUTH, OH | DTVBL65130 | 213.8 km |
| | WQCW | D15 | DT | APP | PORTSMOUTH, OH | WQCW 1000KW PROP | 212.8 |
| | WLKY | D14 | DT | BL | LOUISVILLE, KY | DTVBL53939 | 139.1 |
| | WCMH-TV | D14 | DT | LIC | COLUMBUS, OH | BLCDT20050823AAD | 160.9 |
| | WYYW-CD | D15 | DC | LIC | EVANSVILLE, IN | BLDTA20130109AGB | 268.1 |
| | WTTK | D15 | DT | BL | KOKOMO, IN | DTVBL56526 | 165.5 |
| | WLCU-CD | D15 | DC | BL | CAMPBELLSVILLE, KY | DTVBL8500 | 209.9 |
| | WPBM-CD | D15 | DC | BL | SCOTTSVILLE, KY | DTVBL30580 | 287.8 |
| | WEWS-TV | D15 | DT | LIC | CLEVELAND, OH | BLCDT20091211ACS | 346.8 |
| | WOHL-CD | D15 | DC | BL | LIMA, OH | DTVBL68549 | 184.1 |
| | WTNZ | D15 | DT | BL | KNOXVILLE, TN | DTVBL19200 | 350.7 |
| | WDNI-CD | D16 | DC | BL | INDIANAPOLIS, IN | DTVBL28199 | 151.4 |
| | WMYO | D16 | DT | BL | SALEM, IN | DTVBL34167 | 141.7 |
| | WOSU-TV | D16 | DT | BL | COLUMBUS, OH | DTVBL66185 | 180.6 |
| Service area | | Terrain-limited | | IX-free, before | IX-free, after | Percent New IX | |
| 19502.8 | 2,825,515 | 19362.4 | 2,809,282 | 17357.7 | 2,703,331 | 17350.0 2,701,776 | 0.04 0.06 |
| Undesired | | Total IX | | Unique IX, before | Unique IX, after | | |
| WQCW D15 DT BL | 836.1 | 47,786 | 396.1 | 24,394 | 403.8 | 25,949 | |
| WQCW D15 DT APP | 835.7 | 48,443 | | | 1152.6 | 48,288 | |
| WTTK D15 DT BL | 1596.5 | 75,636 | 1148.5 | 47,390 | 0 | 0 | |
| WEWS-TV D15 DT LIC | 16.1 | 16,930 | 0.0 | 0 | 0.0 | 0 | |
| WOHL-CD D15 DC BL | 16.1 | 11,095 | 0.0 | 0 | 0.0 | 0 | |
| WMYO D16 DT BL | 28.0 | 43 | 4.0 | 0 | 4.0 | 0 | |

Interference to DTVBL30580 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL30580 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL30580 BL, scenario 3
Proposal causes no interference.

Interference to DTVBL30580 BL, scenario 4
Proposal causes no interference.

Interference to DTVBL30580 BL, scenario 5
Proposal causes no interference.

Interference to DTVBL30580 BL, scenario 6
Proposal causes no interference.

Interference to DTVBL30580 BL, scenario 7

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Proposal causes no interference.

Interference to DTVBL30580 BL, scenario 8
Proposal causes no interference.

Interference to DTVBL30580 BL, scenario 9
Proposal causes no interference.

Interference to DTVBL30580 BL, scenario 10
Proposal causes no interference.

Interference to DTVBL30580 BL, scenario 11
Proposal causes no interference.

Interference to DTVBL30580 BL, scenario 12
Proposal causes no interference.

Interference to DTVBL30580 BL, scenario 13
Proposal causes no interference.

Interference to DTVBL30580 BL, scenario 14
Proposal causes no interference.

Interference to DTVBL30580 BL, scenario 15
Proposal causes no interference.

Interference to DTVBL30580 BL, scenario 16
Proposal causes no interference.

Interference to DTVBL64611 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL64611 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL64611 BL, scenario 3
Proposal causes no interference.

Interference to DTVBL64611 BL, scenario 4
Proposal causes no interference.

Interference to DTVBL64611 BL, scenario 5
Proposal causes no interference.

Interference to DTVBL64611 BL, scenario 6
Proposal causes no interference.

Interference to DTVBL64611 BL, scenario 7
Proposal causes no interference.

Interference to DTVBL64611 BL, scenario 8
Proposal causes no interference.

Interference to BLCDT20091211ACS LIC, scenario 1

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| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
|--------------|-----------|-----------------|-----------|-----------------|------------------|------------------|----------------|
| | WEWS-TV | D15 | DT | LIC | CLEVELAND, OH | BLCDT20091211ACS | |
| Undesireds: | WQCW | D15 | DT | BL | PORTSMOUTH, OH | DTVBL65130 | 321.5 km |
| | WQCW | D15 | DT | APP | PORTSMOUTH, OH | WQCW 1000KW PROP | 321.2 |
| | WCMH-TV | D14 | DT | LIC | COLUMBUS, OH | BLCDT20050823AAD | 191.1 |
| | WXIX-TV | D15 | DT | BL | NEWPORT, KY | DTVBL39738 | 346.8 |
| | WDCQ-TV | D15 | DT | LIC | BAD AXE, MI | BLEDT20030922ABG | 288.9 |
| | W33BY-D | D15 | DC | BL | DETROIT, MI | DTVBL25722 | 161.7 |
| | WXSP-CD | D15 | DC | LIC | GRAND RAPIDS, MI | BLDTA20100714AAG | 378.2 |
| | WBNF-CD | D15 | DC | LIC | BUFFALO, NY | BLDTA20111130LWW | 294.0 |
| | WOHL-CD | D15 | DC | BL | LIMA, OH | DTVBL68549 | 214.0 |
| | WPSU-TV | D15 | DD | LIC | CLEARFIELD, PA | BLEDT20130614ACC | 275.2 |
| | WOSU-TV | D16 | DT | BL | COLUMBUS, OH | DTVBL66185 | 168.9 |
| | WINP-TV | D16 | DT | BL | PITTSBURGH, PA | DTVBL41314 | 179.8 |
| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | Percent New IX |
| 26596.2 | 4,112,984 | 26279.5 | 4,078,299 | 25488.3 | 3,962,701 | 25480.3 | 3,960,395 |
| 4966.2 | 22,068 | 4966.2 | 22,068 | 4966.2 | 22,068 | 4966.2 | 22,068 |
| (in Canada) | | | | | | | |

| Undesired | Total IX | Unique IX, before | Unique IX, after |
|--------------------|----------|-------------------|------------------|
| WQCW D15 DT BL | 135.8 | 7,565 | 4,631 |
| WQCW D15 DT APP | 143.8 | 9,624 | 107.9 |
| WPSU-TV D15 DD LIC | 691.3 | 110,967 | 655.4 |
| | | | 108,280 |

Interference to BLCDT20091211ACS LIC, scenario 2

| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
|--------------|-----------|-----------------|-----------|-----------------|------------------|------------------|----------------|
| | WEWS-TV | D15 | DT | LIC | CLEVELAND, OH | BLCDT20091211ACS | |
| Undesireds: | WQCW | D15 | DT | BL | PORTSMOUTH, OH | DTVBL65130 | 321.5 km |
| | WQCW | D15 | DT | APP | PORTSMOUTH, OH | WQCW 1000KW PROP | 321.2 |
| | WCMH-TV | D14 | DT | LIC | COLUMBUS, OH | BLCDT20050823AAD | 191.1 |
| | WXIX-TV | D15 | DT | BL | NEWPORT, KY | DTVBL39738 | 346.8 |
| | WDCQ-TV | D15 | DT | LIC | BAD AXE, MI | BLEDT20030922ABG | 288.9 |
| | W33BY-D | D15 | DC | BL | DETROIT, MI | DTVBL25722 | 161.7 |
| | WXSP-CD | D15 | DC | LIC | GRAND RAPIDS, MI | BLDTA20100714AAG | 378.2 |
| | WBNF-CD | D15 | DC | LIC | BUFFALO, NY | BLDTA20111130LWW | 294.0 |
| | WOHL-CD | D15 | DC | BL | LIMA, OH | DTVBL68549 | 214.0 |
| | WPSU-TV | D15 | DD | LIC | CLEARFIELD, PA | BLEDT20130614ACC | 275.2 |
| | WOSU-TV | D16 | DT | BL | COLUMBUS, OH | DTVBL66185 | 168.9 |
| | WINP-TV | D16 | DT | BL | PITTSBURGH, PA | DTVBL41314 | 179.8 |
| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | Percent New IX |
| 26596.2 | 4,112,984 | 26279.5 | 4,078,299 | 25488.3 | 3,962,701 | 25480.3 | 3,960,395 |
| 4966.2 | 22,068 | 4966.2 | 22,068 | 4966.2 | 22,068 | 4966.2 | 22,068 |
| (in Canada) | | | | | | | |

| Undesired | Total IX | Unique IX, before | Unique IX, after |
|--------------------|----------|-------------------|------------------|
| WQCW D15 DT BL | 135.8 | 7,565 | 4,631 |
| WQCW D15 DT APP | 143.8 | 9,624 | 107.9 |
| WPSU-TV D15 DD LIC | 691.3 | 110,967 | 655.4 |
| | | | 108,280 |

Interference to DTVBL68549 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL68549 BL, scenario 2
Proposal causes no interference.

Interference to BLEDT20130614ACC LIC, scenario 1
Proposal causes no interference.

Interference to DTVBL19200 BL, scenario 1

| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
|----------|------|------|-----|--------|---------------|-------------|----------|
| | WTNZ | D15 | DT | BL | KNOXVILLE, TN | DTVBL19200 | |

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| Service area | | | | | | | Percent New IX |
|-------------------------------------------|-----------|----------|-------------------|--------------------------|------------------|-------------------|----------------|
| | | 30979.0 | Terrain-limited | IX-free, before | IX-free, after | | |
| Undesireds: | WQCW | D15 | DT BL | PORTSMOUTH, OH | DTVBL65130 | 317.6 km | |
| | WQCW | D15 | DT APP | PORTSMOUTH, OH | WQCW 1000KW PROP | 317.6 | |
| | WDSI-TV | D14 | DT BL | CHATTANOOGA, TN | DTVBL71353 | 149.5 | |
| | WLFG | D14 | DT BL | GRUNDY, VA | DTVBL37808 | 190.3 | |
| | WAFF | D15 | DT CP | HUNTSVILLE, AL | BLANK0000025101 | 275.4 | |
| | WYYW-CD | D15 | DC LIC | EVANSVILLE, IN | BLDTA20130109AGB | 368.5 | |
| | WLCU-CD | D15 | DC BL | CAMPBELLSVILLE, KY | DTVBL8500 | 195.3 | |
| | WXIX-TV | D15 | DT BL | NEWPORT, KY | DTVBL39738 | 350.7 | |
| | WPBM-CD | D15 | DC BL | SCOTTSVILLE, KY | DTVBL30580 | 212.5 | |
| | W21CK-D | D15 | DC BL | CHARLOTTE, NC | DTVBL67022 | 291.2 | |
| | WLTX | D15 | DT BL | COLUMBIA, SC | DTVBL37176 | 358.5 | |
| | WPXA-TV | D16 | DT BL | ROME, GA | DTVBL51969 | 198.5 | |
| | WAPK-CD | D16 | DC BL | BRISTOL VA/KINGSPORT, TN | DTVBL77677 | 168.7 | |
| Service area | | | | | | | |
| 37847.9 | 1,722,327 | 30979.0 | 1,530,634 | 30087.4 | 1,504,870 | 30063.3 1,505,389 | |
| Undesired | | Total IX | Unique IX, before | Unique IX, after | | | |
| WQCW D15 DT BL | | 351.2 | 8,172 | 271.4 | 6,874 | | |
| WQCW D15 DT APP | | 375.3 | 7,883 | | 295.4 | 6,355 | |
| WDSI-TV D14 DT BL | | 84.8 | 1,976 | 76.8 | 1,847 | 1,847 | |
| WLFG D14 DT BL | | 79.8 | 2,342 | 63.9 | 1,415 | 1,415 | |
| WAFF D15 DT CP | | 112.1 | 4,257 | 56.1 | 1,496 | 1,496 | |
| WLCU-CD D15 DC BL | | 151.6 | 2,840 | 63.7 | 831 | 745 | |
| WXIX-TV D15 DT BL | | 44.0 | 1,173 | 8.0 | 207 | 8.0 | |
| WPBM-CD D15 DC BL | | 116.0 | 5,173 | 56.0 | 2,497 | 56.0 | |
| WLTX D15 DT BL | | 28.2 | 0 | 28.2 | 0 | 28.2 | |
| WPXA-TV D16 DT BL | | 7.9 | 0 | 7.9 | 0 | 7.9 | |
| WAPK-CD D16 DC BL | | 115.9 | 6,421 | 91.9 | 5,338 | 91.9 | |
| ----- | | | | | | | |
| Interference to DTVBL19200 BL, scenario 2 | | | | | | | |
| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
| Desired: | WTNZ | D15 | DT | BL | KNOXVILLE, TN | DTVBL19200 | |
| Undesireds: | WQCW | D15 | DT BL | PORTSMOUTH, OH | DTVBL65130 | 317.6 km | |
| | WQCW | D15 | DT APP | PORTSMOUTH, OH | WQCW 1000KW PROP | 317.6 | |
| | WDSI-TV | D14 | DT BL | CHATTANOOGA, TN | DTVBL71353 | 149.5 | |
| | WLFG | D14 | DT BL | GRUNDY, VA | DTVBL37808 | 190.3 | |
| | WAFF | D15 | DT CP | HUNTSVILLE, AL | BLANK0000025101 | 275.4 | |
| | WYYW-CD | D15 | DC LIC | EVANSVILLE, IN | BLDTA20130109AGB | 368.5 | |
| | WLCU-CD | D15 | DC BL | CAMPBELLSVILLE, KY | DTVBL8500 | 195.3 | |
| | WXIX-TV | D15 | DT BL | NEWPORT, KY | DTVBL39738 | 350.7 | |
| | WPBM-CD | D15 | DC BL | SCOTTSVILLE, KY | DTVBL30580 | 212.5 | |
| | W21CK-D | D15 | DC BL | CHARLOTTE, NC | DTVBL67022 | 291.2 | |
| | WLTX | D15 | DT BL | COLUMBIA, SC | DTVBL37176 | 358.5 | |
| | WPXA-TV | D16 | DT BL | ROME, GA | DTVBL51969 | 198.5 | |
| | WAPK-CD | D16 | DC BL | BRISTOL VA/KINGSPORT, TN | DTVBL77677 | 168.7 | |
| Service area | | Total IX | Unique IX, before | Unique IX, after | | | |
| 37847.9 | 1,722,327 | 30979.0 | 1,530,634 | 30087.4 | 1,504,870 | 30063.3 1,505,389 | |
| Undesired | | Total IX | Unique IX, before | Unique IX, after | | | |
| WQCW D15 DT BL | | 351.2 | 8,172 | 271.4 | 6,874 | | |
| WQCW D15 DT APP | | 375.3 | 7,883 | | 295.4 | 6,355 | |
| WDSI-TV D14 DT BL | | 84.8 | 1,976 | 76.8 | 1,847 | 1,847 | |
| WLFG D14 DT BL | | 79.8 | 2,342 | 63.9 | 1,415 | 1,415 | |
| WAFF D15 DT CP | | 112.1 | 4,257 | 56.1 | 1,496 | 1,496 | |
| WLCU-CD D15 DC BL | | 151.6 | 2,840 | 63.7 | 831 | 745 | |
| WXIX-TV D15 DT BL | | 44.0 | 1,173 | 8.0 | 207 | 8.0 | |
| WPBM-CD D15 DC BL | | 116.0 | 5,173 | 56.0 | 2,497 | 56.0 | |
| WLTX D15 DT BL | | 28.2 | 0 | 28.2 | 0 | 28.2 | |
| WPXA-TV D16 DT BL | | 7.9 | 0 | 7.9 | 0 | 7.9 | |
| WAPK-CD D16 DC BL | | 115.9 | 6,421 | 91.9 | 5,338 | 91.9 | |
| ----- | | | | | | | |
| Interference to DTVBL19200 BL, scenario 3 | | | | | | | |
| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
| Desired: | WTNZ | D15 | DT | BL | KNOXVILLE, TN | DTVBL19200 | |
| Undesireds: | WQCW | D15 | DT BL | PORTSMOUTH, OH | DTVBL65130 | 317.6 km | |

| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
|-------------|------|------|-----|--------|----------------|-------------|----------|
| Undesireds: | WQCW | D15 | DT | BL | PORTSMOUTH, OH | DTVBL65130 | 317.6 km |

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| | | | | | | | |
|--------------------------------------------------|-----------|----------|-----------|--------------------------|--------------------------|------------------|-----------|
| WQCW | D15 | DT | APP | PORTSMOUTH, OH | WQCW 1000KW PROP | 317.6 | |
| WDSI-TV | D14 | DT | BL | CHATTANOOGA, TN | DTVBL71353 | 149.5 | |
| WLFG | D14 | DT | BL | GRUNDY, VA | DTVBL37808 | 190.3 | |
| WAFF | D15 | DT | BL | HUNTSVILLE, AL | DTVBL591 | 275.4 | |
| WYYW-CD | D15 | DC | LIC | EVANSVILLE, IN | BLDTA20130109AGB | 368.5 | |
| WLCU-CD | D15 | DC | BL | CAMPBELLSVILLE, KY | DTVBL8500 | 195.3 | |
| WXIX-TV | D15 | DT | BL | NEWPORT, KY | DTVBL39738 | 350.7 | |
| WPBM-CD | D15 | DC | BL | SCOTTSVILLE, KY | DTVBL30580 | 212.5 | |
| W21CK-D | D15 | DC | BL | CHARLOTTE, NC | DTVBL67022 | 291.2 | |
| WLTX | D15 | DT | BL | COLUMBIA, SC | DTVBL37176 | 358.5 | |
| WPXA-TV | D16 | DT | BL | ROME, GA | DTVBL51969 | 198.5 | |
| WAPK-CD | D16 | DC | BL | BRISTOL VA/KINGSPORT, TN | DTVBL77677 | 168.7 | |
| Service area | | | | | | | |
| 37847.9 | 1,722,327 | 30979.0 | 1,530,634 | 30087.4 | 1,504,870 | 30063.3 | |
| Undesired | | | | | | | |
| | | Total IX | | Unique IX, before | | Unique IX, after | |
| WQCW D15 DT BL | 351.2 | 8,172 | | 271.4 | 6,874 | 295.4 | |
| WQCW D15 DT APP | 375.3 | 7,883 | | | | 6,355 | |
| WDSI-TV D14 DT BL | 84.8 | 1,976 | | 76.8 | 1,847 | 76.8 | |
| WLFG D14 DT BL | 79.8 | 2,342 | | 63.9 | 1,415 | 63.9 | |
| WAFF D15 DT BL | 112.1 | 4,257 | | 56.1 | 1,496 | 56.1 | |
| WLCU-CD D15 DC BL | 151.6 | 2,840 | | 63.7 | 831 | 63.7 | |
| WXIX-TV D15 DT BL | 44.0 | 1,173 | | 8.0 | 207 | 8.0 | |
| WPBM-CD D15 DC BL | 116.0 | 5,173 | | 56.0 | 2,497 | 56.0 | |
| WLTX D15 DT BL | 28.2 | 0 | | 28.2 | 0 | 28.2 | |
| WPXA-TV D16 DT BL | 7.9 | 0 | | 7.9 | 0 | 7.9 | |
| WAPK-CD D16 DC BL | 115.9 | 6,421 | | 91.9 | 5,338 | 91.9 | |
| ----- | | | | | | | |
| Interference to DTVBL19200 BL, scenario 4 | | | | | | | |
| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
| | WTNZ | D15 | DT | BL | KNOXVILLE, TN | DTVBL19200 | |
| Undesireds: | | | | | | | |
| | WQCW | D15 | DT | BL | PORTSMOUTH, OH | DTVBL65130 | 317.6 km |
| | WQCW | D15 | DT | APP | PORTSMOUTH, OH | WQCW 1000KW PROP | 317.6 |
| | WDSI-TV | D14 | DT | BL | CHATTANOOGA, TN | DTVBL71353 | 149.5 |
| | WLFG | D14 | DT | BL | GRUNDY, VA | DTVBL37808 | 190.3 |
| | WAFF | D15 | DT | BL | HUNTSVILLE, AL | DTVBL591 | 275.4 |
| | WYYW-CD | D15 | DC | LIC | EVANSVILLE, IN | BLDTA20130109AGB | 368.5 |
| | WLCU-CD | D15 | DC | BL | CAMPBELLSVILLE, KY | DTVBL8500 | 195.3 |
| | WXIX-TV | D15 | DT | BL | NEWPORT, KY | DTVBL39738 | 350.7 |
| | WPBM-CD | D15 | DC | BL | SCOTTSVILLE, KY | DTVBL30580 | 212.5 |
| | W21CK-D | D15 | DC | BL | CHARLOTTE, NC | DTVBL67022 | 291.2 |
| | WLTX | D15 | DT | BL | COLUMBIA, SC | DTVBL37176 | 358.5 |
| | WPXA-TV | D16 | DT | BL | ROME, GA | DTVBL51969 | 198.5 |
| | WAPK-CD | D16 | DC | BL | BRISTOL VA/KINGSPORT, TN | DTVBL77677 | 168.7 |
| Service area | | | | | | | |
| 37847.9 | 1,722,327 | 30979.0 | 1,530,634 | 30087.4 | 1,504,870 | 30063.3 | 1,505,389 |
| Undesired | | | | | | | |
| | | Total IX | | Unique IX, before | | Unique IX, after | |
| WQCW D15 DT BL | 351.2 | 8,172 | | 271.4 | 6,874 | 295.4 | 6,355 |
| WQCW D15 DT APP | 375.3 | 7,883 | | | | | |
| WDSI-TV D14 DT BL | 84.8 | 1,976 | | 76.8 | 1,847 | 76.8 | 1,847 |
| WLFG D14 DT BL | 79.8 | 2,342 | | 63.9 | 1,415 | 63.9 | 1,415 |
| WAFF D15 DT BL | 112.1 | 4,257 | | 56.1 | 1,496 | 56.1 | 1,496 |
| WLCU-CD D15 DC BL | 151.6 | 2,840 | | 63.7 | 831 | 63.7 | 745 |
| WXIX-TV D15 DT BL | 44.0 | 1,173 | | 8.0 | 207 | 8.0 | 33 |
| WPBM-CD D15 DC BL | 116.0 | 5,173 | | 56.0 | 2,497 | 56.0 | 2,497 |
| WLTX D15 DT BL | 28.2 | 0 | | 28.2 | 0 | 28.2 | 0 |
| WPXA-TV D16 DT BL | 7.9 | 0 | | 7.9 | 0 | 7.9 | 0 |
| WAPK-CD D16 DC BL | 115.9 | 6,421 | | 91.9 | 5,338 | 91.9 | 5,368 |
| ----- | | | | | | | |
| Interference to BLCDT20120515ABF LIC, scenario 1 | | | | | | | |
| Proposal causes no interference. | | | | | | | |
| ----- | | | | | | | |
| Interference to DTVBL66185 BL, scenario 1 | | | | | | | |
| Proposal causes no interference. | | | | | | | |

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Interference to proposal, scenario 1
 1.64% interference

| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
|-------------|---------|------|-----|--------|--------------------|------------------|----------|
| | WQCW | D15 | DT | APP | PORTSMOUTH, OH | WQCW 1000KW PROP | |
| Undesireds: | WCMH-TV | D14 | DT | LIC | COLUMBUS, OH | BLCDT20050823AAD | 176.7 km |
| | WLFG | D14 | DT | BL | GRUNDY, VA | DTVBL37808 | 187.2 |
| | WTTK | D15 | DT | CP | KOKOMO, IN | BLANK0000024884 | 375.7 |
| | WLCU-CD | D15 | DC | BL | CAMPBELLSVILLE, KY | DTVBL8500 | 304.3 |
| | WXIX-TV | D15 | DT | BL | NEWPORT, KY | DTVBL39738 | 212.8 |
| | WPBM-CD | D15 | DC | BL | SCOTTSVILLE, KY | DTVBL30580 | 387.6 |
| | W21CK-D | D15 | DC | BL | CHARLOTTE, NC | DTVBL67022 | 386.9 |
| | WEWS-TV | D15 | DT | LIC | CLEVELAND, OH | BLCDT20091211ACS | 321.2 |
| | WOHL-CD | D15 | DC | BL | LIMA, OH | DTVBL68549 | 297.7 |
| | WTNZ | D15 | DT | BL | KNOXVILLE, TN | DTVBL19200 | 317.6 |
| | WOSU-TV | D16 | DT | BL | COLUMBUS, OH | DTVBL66185 | 193.0 |

| | | | | | |
|--------------|-----------------|---------|-----------|---------|--------------|
| Service area | Terrain-limited | | IX-free | | Percent IX |
| 37994.3 | 1,307,345 | 35904.9 | 1,236,020 | 35482.6 | 1,215,783 |
| | | | | | 1.18 1.64 |

| Undesired | Total IX | | Unique IX | Prcnt Unique IX | Unique IX |
|--------------------|----------|--------|-----------|-----------------|-----------|
| WLFG D14 DT BL | 15.9 | 639 | 11.9 | 0.03 | 0.05 |
| WTTK D15 DT CP | 12.0 | 76 | 8.0 | 0.02 | 0.01 |
| WXIX-TV D15 DT BL | 187.5 | 2,511 | 159.6 | 0.44 | 0.19 |
| WEWS-TV D15 DT LIC | 199.1 | 17,019 | 179.1 | 0.50 | 1.36 |
| WTNZ D15 DT BL | 39.7 | 149 | 31.7 | 0.09 | 0.01 |

Interference to proposal, scenario 2
 1.64% interference

| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
|-------------|---------|------|-----|--------|--------------------|------------------|----------|
| | WQCW | D15 | DT | APP | PORTSMOUTH, OH | WQCW 1000KW PROP | |
| Undesireds: | WCMH-TV | D14 | DT | LIC | COLUMBUS, OH | BLCDT20050823AAD | 176.7 km |
| | WLFG | D14 | DT | BL | GRUNDY, VA | DTVBL37808 | 187.2 |
| | WTTK | D15 | DT | BL | KOKOMO, IN | DTVBL56526 | 375.7 |
| | WLCU-CD | D15 | DC | BL | CAMPBELLSVILLE, KY | DTVBL8500 | 304.3 |
| | WXIX-TV | D15 | DT | BL | NEWPORT, KY | DTVBL39738 | 212.8 |
| | WPBM-CD | D15 | DC | BL | SCOTTSVILLE, KY | DTVBL30580 | 387.6 |
| | W21CK-D | D15 | DC | BL | CHARLOTTE, NC | DTVBL67022 | 386.9 |
| | WEWS-TV | D15 | DT | LIC | CLEVELAND, OH | BLCDT20091211ACS | 321.2 |
| | WOHL-CD | D15 | DC | BL | LIMA, OH | DTVBL68549 | 297.7 |
| | WTNZ | D15 | DT | BL | KNOXVILLE, TN | DTVBL19200 | 317.6 |
| | WOSU-TV | D16 | DT | BL | COLUMBUS, OH | DTVBL66185 | 193.0 |

| | | | | | |
|--------------|-----------------|---------|-----------|---------|--------------|
| Service area | Terrain-limited | | IX-free | | Percent IX |
| 37994.3 | 1,307,345 | 35904.9 | 1,236,020 | 35482.6 | 1,215,783 |
| | | | | | 1.18 1.64 |

| Undesired | Total IX | | Unique IX | Prcnt Unique IX | Unique IX |
|--------------------|----------|--------|-----------|-----------------|-----------|
| WLFG D14 DT BL | 15.9 | 639 | 11.9 | 0.03 | 0.05 |
| WTTK D15 DT BL | 12.0 | 76 | 8.0 | 0.02 | 0.01 |
| WXIX-TV D15 DT BL | 187.5 | 2,511 | 159.6 | 0.44 | 0.19 |
| WEWS-TV D15 DT LIC | 199.1 | 17,019 | 179.1 | 0.50 | 1.36 |
| WTNZ D15 DT BL | 39.7 | 149 | 31.7 | 0.09 | 0.01 |

| Channel and Facility Information | Section | Question | Response |
|----------------------------------|-------------------------------|---------------|------------|
| | Proposed Community of License | Facility ID | 65130 |
| | | State | Ohio |
| | | City | PORTSMOUTH |
| | | DTV Channel | 15 |
| | Facility Type | Facility Type | Commercial |
| | | Station Type | Main |
| | Zone | Zone | 1 |

| Antenna Location Data | Section | Question | Response |
|-----------------------|--------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------|
| | Antenna Structure Registration | Do you have an FCC Antenna Structure Registration (ASR) Number? | Yes |
| | | ASR Number | 1035121 |
| | Coordinates (NAD83) | Latitude | 38° 30' 36.3" N+ |
| | | Longitude | 082° 13' 09.5" W- |
| | | Structure Type | GTOWER-Guyed Structure Used for Communication Purposes |
| | | Overall Structure Height | 313.9 meters |
| | | Support Structure Height | 294.5 meters |
| | | Ground Elevation (AMSL) | 308.2 meters |
| | Antenna Data | Height of Radiation Center Above Ground Level | 303.9 meters |
| | | Height of Radiation Center Above Average Terrain | 385.7 meters |
| | | Height of Radiation Center Above Mean Sea Level | 612.1 meters |
| | | Effective Radiated Power | 1000 kW |

| Antenna Technical Data | Section | Question | Response |
|--------------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Antenna Type | | Antenna Type | Non-Directional |
| | | Do you have an Antenna ID? | |
| | | Antenna ID | |
| Antenna Manufacturer and Model | | Manufacturer: | DIE |
| | | Model | TUM-O4-15/60H-R-1-T |
| | | Rotation | |
| | | Electrical Beam Tilt | 0.75 |
| | | Mechanical Beam Tilt | Not Applicable |
| | | toward azimuth | |
| | | Polarization | Elliptical |
| DTV and DTS: Elevation Pattern | | Does the proposed antenna propose elevation radiation patterns that vary with azimuth for reasons other than the use of mechanical beam tilt? | No |
| | | Uploaded file for elevation antenna (or radiation) pattern data | |

| Construction Permit Certifications | Section | Question | Response |
|---------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| | Post-Incentive Auction Expedited Processing | <p>It will operate on the DTV channel for this station as established in the post-incentive auction channel reassignment public notice.</p> <p>It will operate post-incentive auction facilities that do not expand the noise-limited service contour in any direction beyond that established by the post-incentive auction channel reassignment public notice.</p> <p>It will operate post-incentive auction facilities that match or reduce by no more than five percent with respect to predicted population from those defined in the post-incentive auction channel reassignment public notice.</p> <p>The antenna structure to be used by this facility has been registered by the Commission and will not require re-registration to support the proposed antenna, OR the FAA has previously determined that the proposed structure will not adversely affect safety in air navigation and this structure qualifies for later registration under the Commission's phased registration plan, OR the proposed installation on this structure does not require notification to the FAA pursuant to 47 C.F.R. Section 17.7.</p> | Yes No Yes Yes |
| | Environmental Effect | Would a Commission grant of Authorization for this location be an action which may have a significant environmental effect? (See Section 1.1306 of 47 C.F.R.) | No |
| | Broadcast Facility | The proposed facility complies with the applicable engineering standards and assignment requirements of 47 C.F.R. Sections 73.616, 73.622(i), 73.623(e), 73.625, 73.1030, and 73.1125. | Yes |