

Multicast Host Exhibit
WSJV(TV), Elkhart, IN (FID 74007)

Dated: December 18, 2023

Gray Television Licensee, LLC (“Gray”), licensee of digital full power television station WSJV(TV), Elkhart, Indiana (Fac ID 74007) (“Station”), hereby submits this Host Exhibit as required by the November 16, 2023 Public Notice announcing the Next Gen TV Multicast licensing rules had taken effect (DA 23-1086). The Station broadcasts its multicast streams using the ATSC 1.0 standard, with no ATSC 3.0 simulcast on host stations as described below.¹

As approved in its Modification to License (Next Gen), granted on June 23, 2023 (File No. 214903), the Station operates using the ATSC 3.0 standard. The Station’s primary programming stream will be simulcast in the ATSC 1.0 standard on WSBT-TV, South Bend, Indiana (FID 73983). Because of ATSC 1.0 capacity constraints, the Station is not able to air all of its multicast streams on the same channel as its primary ATSC 1.0 simulcast signal.

The Station broadcast six multicast streams prior to its transition to ATSC 3.0. In order to avoid the loss of the Station’s over-the-air non-primary multicast streams to ATSC 1.0 viewers, Gray has agreements with the ATSC 1.0 Hosting Stations to broadcast those streams using those station’s ATSC 1.0 facilities. As part of this same arrangement, Gray provides the ATSC 1.0 Hosting Stations with capacity as ATSC 3.0 guest stations on the Station’s ATSC 3.0 facility.

WSJV’s multicast streams will air in ATSC 1.0 as follows:

Channel position	Stream	ATSC 1.0 Host Stations	Host RF Channel	Resolution	Simulcast Y/N
28.2	True Crime Network	WNIT	31	480i	N
28.3	ION Mystery	WNIT	31	480i	N
28.4	Court TV	WHME-TV	36	480i	N
28.5	Quest	WNIT	31	480i	N
28.6	Bounce TV	WSBT-TV	29	480i	N
28.7	DABL	WHME-TV	36	480i	N

If WSJV were broadcasting in ATSC 1.0 via its own facilities, it would be able to broadcast its primary and multicast streams. However, following the Station’s transition to the ATSC 3.0 standard, the hosting arrangements with the ATSC 1.0 Hosting Stations will allow Gray to continue offering these multicast streams in the South Bend- Elkhart DMA. Due to capacity and other constraints, the Station is not able to simulcast an ATSC 3.0 version of its multicast streams without minimizing, if not largely eliminating, the benefits to the public and the participating stations of transitioning to ATSC 3.0.

In order to continue to alleviate any viewer confusion, the Licensee confirms that the PSIP (virtual) channel for each of the Station’s programming streams will remain unchanged and will continue to be identified to viewers as being associated with WSJV.

As shown in the attached coverage map, the proposed multicast arrangements will serve the public interest by enabling most current over-the-air viewers to continue to have access to this

¹ The Station has been broadcasting its multicast streams on host stations pursuant to STA. See File No. 214906.

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programming, either from WJSV's multicast streams, as hosted, or stations in adjacent markets that air the same programming. And, in each case, these programming streams will continue to serve the Station's community of license.

As shown below, the Quest programming stream is the only stream that will not reach 95 percent of the population served by WSJV's. However, less than 1 percent of the loss area is within the South Bend-Elkhart DMA, with the majority of the population that will be unable to receive Quest programming located outside of the DMA.

Stream	Service Area Coverage from Host	Coverage within DMA from Host	TOTAL Service Area Coverage (Host + Alternate Services)
True Crime Network (28.2)	78.9%	99.3%	98.1%
ION Mystery (28.3)	78.9%	99.3%	99.5%
Court TV (28.4)	90.2%	99.9%	99.8%
Quest (28.5)	78.9%	99.3%	89.8%
Bounce TV (28.6)	100%	100%	100%
DABL (28.7)	90.2%	99.9%	96.6%

Additionally, the arrangements will preserve access to those WSJV multicast streams for viewers who are receiving them via MVPDs. Gray has provided the requisite notice to MVPDs regarding relocation of WSJV's primary ATSC 1.0 stream and its non-primary multicast streams. Gray will work with all impacted MVPDs to ensure that they continue to receive a good quality signal of the non-primary multicast streams, whether that be over-the-air or via alternate delivery methods. WSJV has been airing and will continue to air public service announcements to inform viewers of its upcoming transition and of the need for viewers to rescan their televisions after the transition date in order to maintain over-the-air access to WSJV's program streams in the current format.

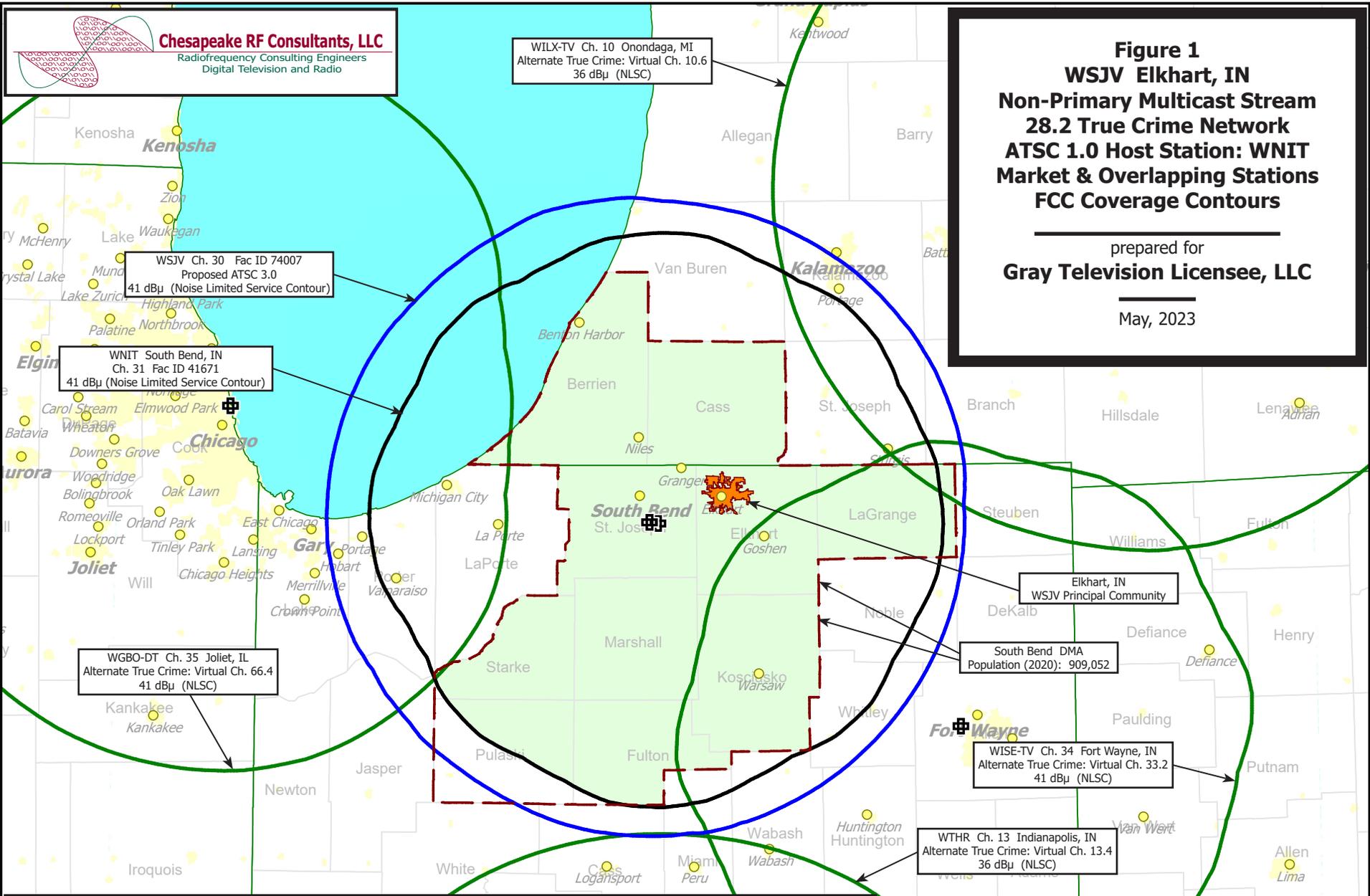
Gray understands that it is the sole party responsible for ensuring compliance with all statutory and regulatory requirements with regards to the Station's non-primary multicast streams, including the Commission's rules regarding political broadcasting, children's programming, equal employment opportunities, captioning, public inspection file, indecency, sponsorship identification, station identification, contests, the CALM Act, and the Emergency Alert System. Gray will indemnify the licensee of the host stations with respect to the content of the hosted multicast channels and will be responsible for the multicast channels' compliance with all applicable laws and regulations.

The Station fulfills all of its children's programming requirements by airing core E/I programming on WSJV's primary stream. WSJV does not, and does not intend to, rely on any programming broadcast on its multicast streams for compliance with the Commission's children's programming requirements.

Figure 1
WSJV Elkhart, IN
Non-Primary Multicast Stream
28.2 True Crime Network
ATSC 1.0 Host Station: WNIT
Market & Overlapping Stations
FCC Coverage Contours

prepared for
Gray Television Licensee, LLC

May, 2023



Noise Limited Service Contour	All Population (2020 Census)	Total Original ATSC 1.0	Population Within DMA Only (2020 Census)	Total Original ATSC 1.0
WSJV Ch. 30 (Proposed ATSC 3.0)	1,643,675	Total	907,500	Total
WNIT Ch. 31 (ATSC 1.0 Multicast Host)	1,297,504	Total	901,098	Total
WSJV & WNIT Common	1,297,504	78.9% of WSJV Total	901,098	99.3% of WSJV Total
WSJV D2 Loss Within Any Alternate	314,589	Alternate True Crime Service	2,408	Alternate within DMA
WSJV & WNIT Common Plus Alternates	1,612,093	98.1% of WSJV Total	903,506	99.6% OF WSJV Total

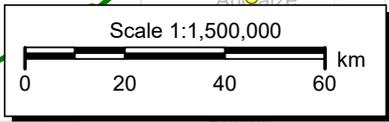
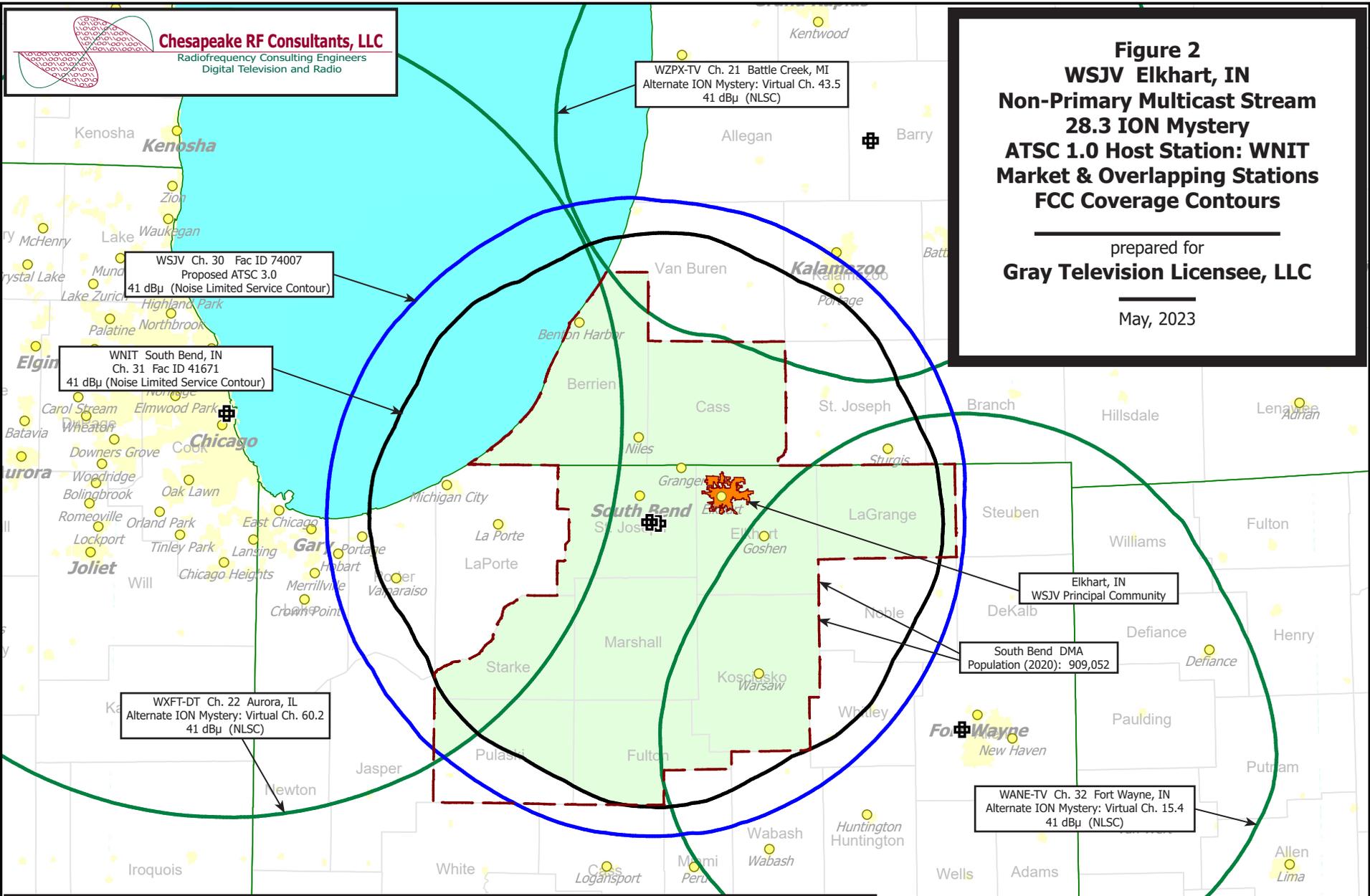


Figure 2
WSJV Elkhart, IN
Non-Primary Multicast Stream
28.3 ION Mystery
ATSC 1.0 Host Station: WNIT
Market & Overlapping Stations
FCC Coverage Contours

prepared for
Gray Television Licensee, LLC

May, 2023



Noise Limited Service Contour	All Population (2020 Census)	Population Within DMA Only (2020 Census)
WSJV Ch. 30 (Proposed ATSC 3.0)	1,643,675	Total Original ATSC 1.0
WNIT Ch. 31 (ATSC 1.0 Multicast Host)	1,297,504	Total
WSJV & WNIT Common	1,297,504	78.9% of WSJV Total
WSJV D3 Loss Within Any Alternate	337,138	Alternate ION Mystery Service
WSJV & WNIT Common Plus Alternates	1,634,642	99.5% of WSJV Total

Elkhart, IN
 WSJV Principal Community

South Bend DMA
 Population (2020): 909,052

WANE-TV Ch. 32 Fort Wayne, IN
 Alternate ION Mystery: Virtual Ch. 15.4
 41 dBu (NLSC)

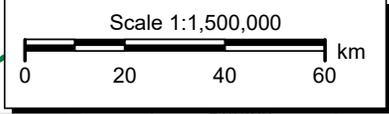
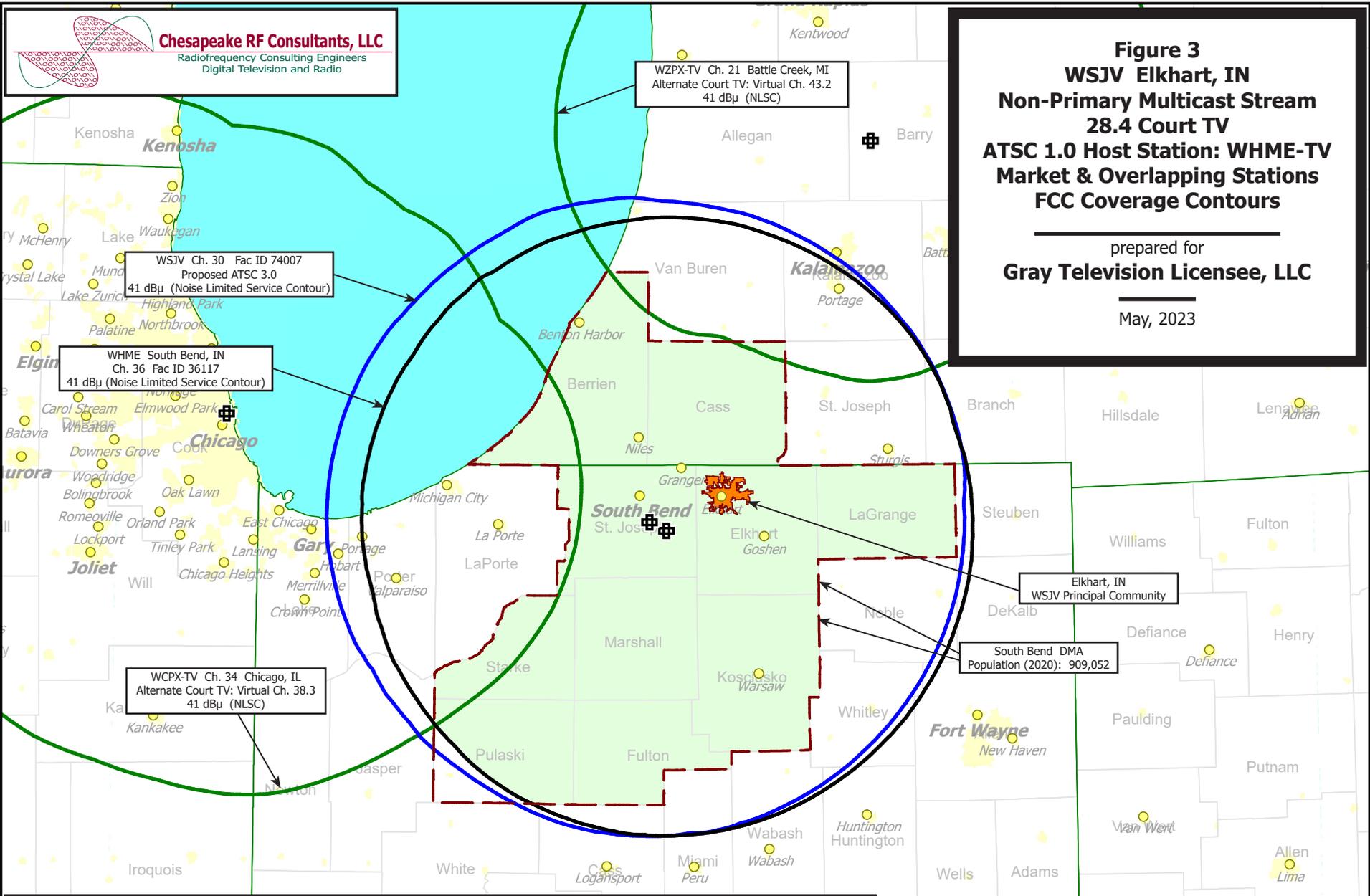


Figure 3
WSJV Elkhart, IN
Non-Primary Multicast Stream
28.4 Court TV
ATSC 1.0 Host Station: WHME-TV
Market & Overlapping Stations
FCC Coverage Contours

prepared for
Gray Television Licensee, LLC

May, 2023



WSJV Ch. 30 Fac ID 74007
 Proposed ATSC 3.0
 41 dBu (Noise Limited Service Contour)

WHME South Bend, IN
 Ch. 36 Fac ID 36117
 41 dBu (Noise Limited Service Contour)

WCPX-TV Ch. 34 Chicago, IL
 Alternate Court TV: Virtual Ch. 38.3
 41 dBu (NLSC)

WZPX-TV Ch. 21 Battle Creek, MI
 Alternate Court TV: Virtual Ch. 43.2
 41 dBu (NLSC)

Elkhart, IN
 WSJV Principal Community

South Bend DMA
 Population (2020): 909,052

	All Population (2020 Census)		Population Within DMA Only (2020 Census)	
Noise Limited Service Contour				
WSJV Ch. 30 (Proposed ATSC 3.0)	1,643,675	Total Original ATSC 1.0	907,500	Total Original ATSC 1.0
WHME-TV Ch. 36 (ATSC 1.0 Multicast Host)	1,486,418	Total	906,828	Total
WSJV & WHME-TV Common	1,482,020	90.2% of WSJV Total	906,828	99.9% of WSJV Total
WSJV D4 Loss Within Any Alternate	158,746	Alternate Court TV Service	0	Alternate within DMA
WSJV & WHME-TV Common Plus Alternates	1,640,766	99.8% of WSJV Total	906,828	99.9% OF WSJV Total

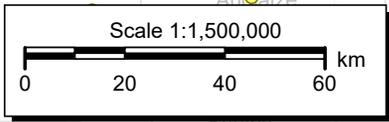
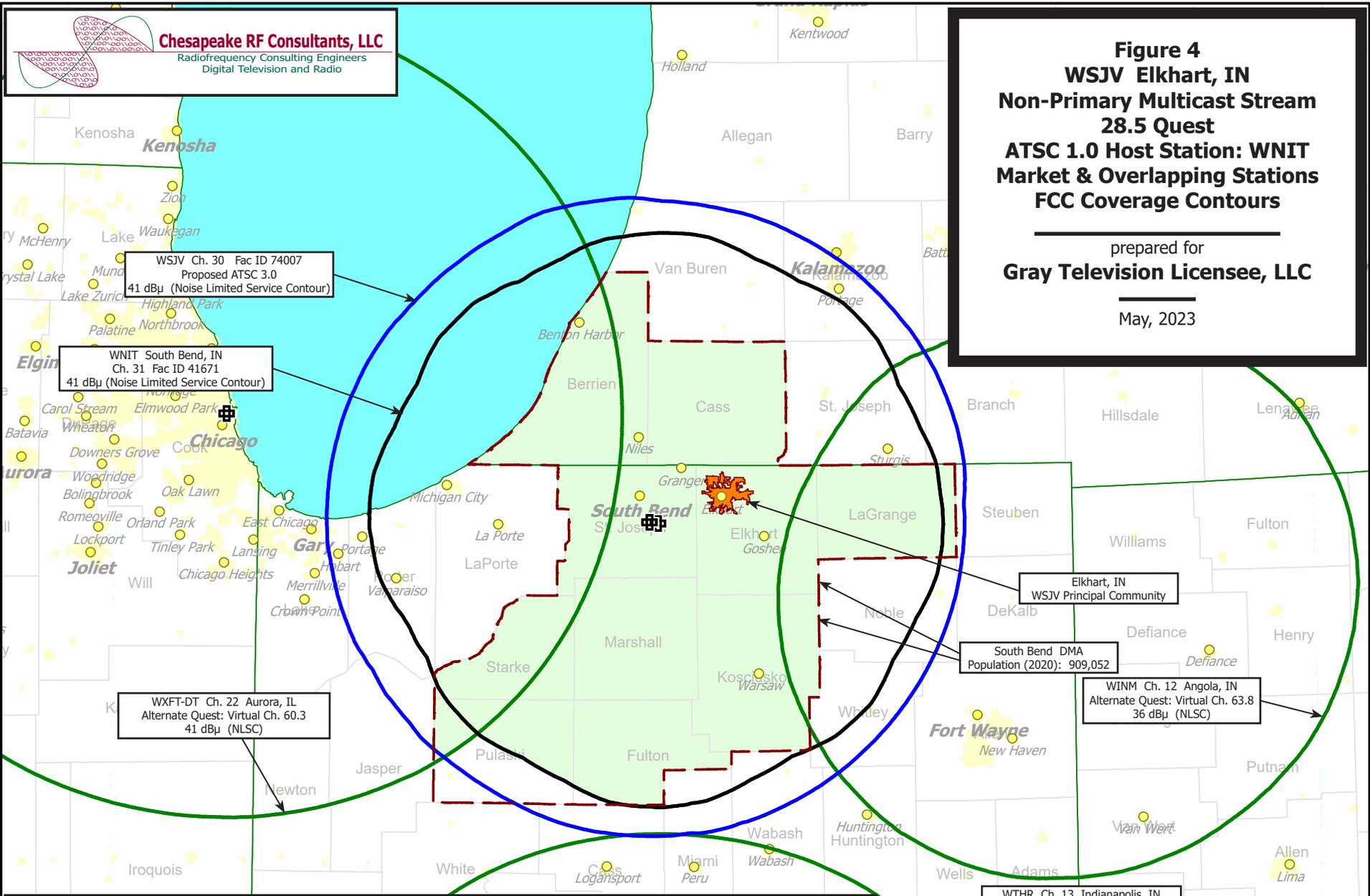


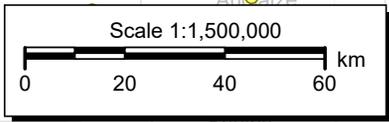
Figure 4
WSJV Elkhart, IN
Non-Primary Multicast Stream
28.5 Quest
ATSC 1.0 Host Station: WNIT
Market & Overlapping Stations
FCC Coverage Contours

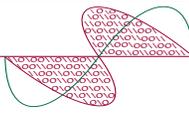
prepared for
Gray Television Licensee, LLC

May, 2023



Noise Limited Service Contour	All Population (2020 Census)		Population Within DMA Only (2020 Census)	
WSJV Ch. 30 (Proposed ATSC 3.0)	1,643,675	Total Original ATSC 1.0	907,500	Total Original ATSC 1.0
WNIT Ch. 31 (ATSC 1.0 Multicast Host)	1,297,504	Total	901,098	Total
WSJV & WNIT Common	1,297,504	78.9% of WSJV Total	901,098	99.3% of WSJV Total
WSJV D5 Loss Within Any Alternate	178,267	Alternate Quest Service	4,083	Alternate within DMA
WSJV & WNIT Common Plus Alternates	1,475,771	89.8% of WSJV Total	905,181	99.7% OF WSJV Total



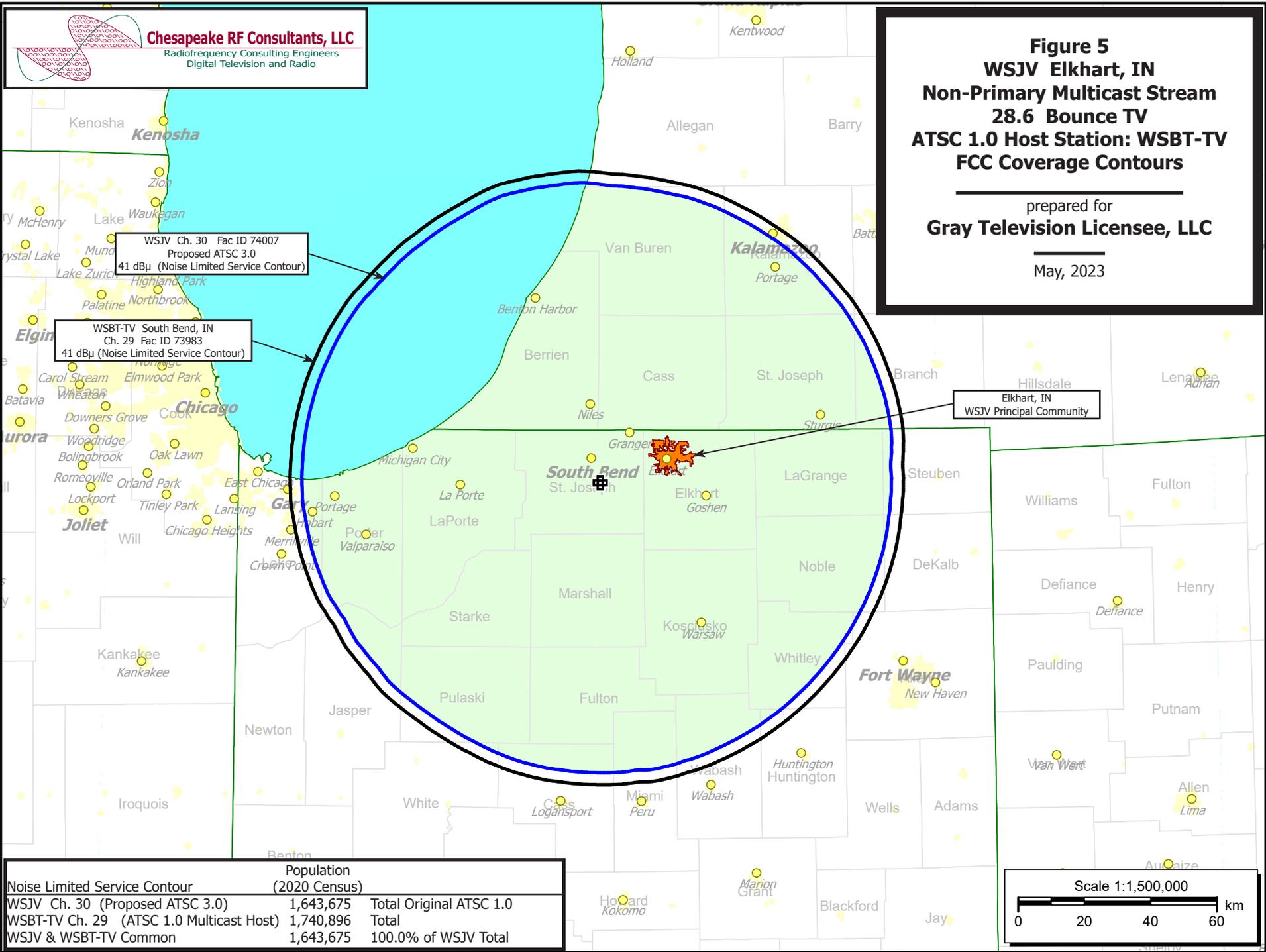


Chesapeake RF Consultants, LLC
 Radiofrequency Consulting Engineers
 Digital Television and Radio

Figure 5
WSJV Elkhart, IN
Non-Primary Multicast Stream
28.6 Bounce TV
ATSC 1.0 Host Station: WSBT-TV
FCC Coverage Contours

prepared for
Gray Television Licensee, LLC

May, 2023



WSJV Ch. 30 Fac ID 74007
 Proposed ATSC 3.0
 41 dBu (Noise Limited Service Contour)

WSBT-TV South Bend, IN
 Ch. 29 Fac ID 73983
 41 dBu (Noise Limited Service Contour)

Elkhart, IN
 WSJV Principal Community

	Population (2020 Census)	
Noise Limited Service Contour		
WSJV Ch. 30 (Proposed ATSC 3.0)	1,643,675	Total Original ATSC 1.0
WSBT-TV Ch. 29 (ATSC 1.0 Multicast Host)	1,740,896	Total
WSJV & WSBT-TV Common	1,643,675	100.0% of WSJV Total

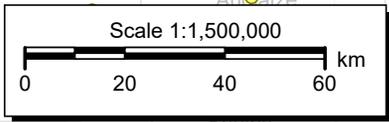
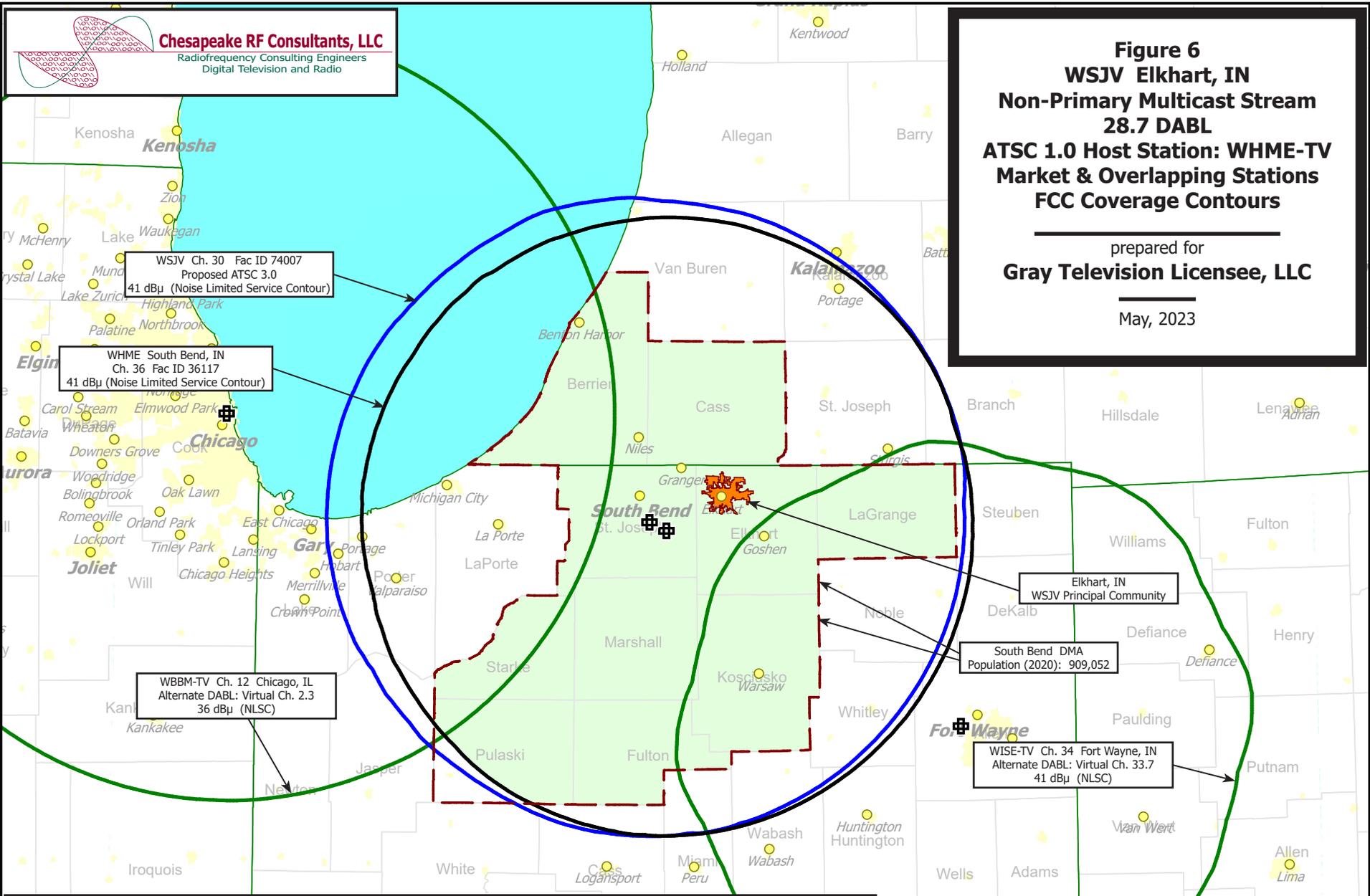


Figure 6
WSJV Elkhart, IN
Non-Primary Multicast Stream
28.7 DABL
ATSC 1.0 Host Station: WHME-TV
Market & Overlapping Stations
FCC Coverage Contours

prepared for
Gray Television Licensee, LLC

May, 2023



Noise Limited Service Contour	All Population (2020 Census)	Population Within DMA Only (2020 Census)
WSJV Ch. 30 (Proposed ATSC 3.0)	1,643,675	907,500
WHME-TV Ch. 36 (ATSC 1.0 Multicast Host)	1,486,418	906,828
WSJV & WHME-TV Common	1,482,020	906,828
WSJV D7 Loss Within Any Alternate	105,434	144
WSJV & WHME-TV Common Plus Alternates	1,587,454	906,972

Total Original ATSC 1.0	Total Original ATSC 1.0
906,828	906,828
906,828	906,828
144	144
906,972	906,972

Scale 1:1,500,000

0 20 40 60 km