

Next Generation TV – Host Exhibit

CBS Broadcasting Inc.

WBBM-TV Chicago, Illinois

Facility ID 9617

CBS Broadcasting Inc. (Licensee), licensee of WBBM-TV Chicago, IL (Facility ID 9617), respectfully requests authorization to commence ATSC 3.0 operations. To minimize loss of over-the-air programming available to viewers that might result from WBBM-TV’s transition to the ATSC 3.0 standard, Licensee has entered into hosting agreements with the licensees of the stations listed below to broadcast WBBM-TV’s present primary and multicast channels in ATSC 1.0 format. Licensee is seeking hosting only for streams it was broadcasting on its own 1.0 facility prior to its transition to 3.0.

Callsign	RF Channel	Network	Resolution	Population Coverage
Facility ID	Virtual Channel			
WGN-TV	19.10	CBS	1080i	99.0%
72115	2.1 (Simulcast) ¹			(See Figure 1)
WMAQ-TV	33.11	Fave TV	480i	99.1%
47905	2.4			(See Figure 2)
WFLD(TV)	24.9	Dabl	480i	98.7%
22211	2.3			(See Figure 3)
WGBO-DT	35.7	Start	480i	97.9%
12498	2.2			(See Figure 4)
WGBO-DT	35.8	Charge	480i	97.9%
12498	2.5			(See Figure 4)

The attached maps show the WBBM-TV noise-limited service contour (NLSC) along with the NLSCs of WGN-TV (**Figure 1**), WMAQ-TV (**Figure 2**),² WFLD(TV) (**Figure 3**)³, and WGBO-DT

¹ The primary ATSC 1.0 simulcast will be “substantially similar” as defined by §73.3801(b).

² The contour in **Figure 2** provides contours for the WMAQ-TV Construction Permit facility. Construction of this facility is anticipated in early 2024 according to the WMAQ-TV *Fifth Reimbursement Invoice Submission Extension Request* (See Legal STA LMS File 0000219460). Regardless, the licensed WMAQ-TV auxiliary antenna NLSC contour shown in **Figure 5** overlaps 96.2% of the WBBM-TV NLSC, which also meets the 95% requirement of FCC Rule §73.3801(f)(6)(ii).

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(**Figure 4**) (the “ATSC 1.0 Host Stations”). As shown, 97.9% or more of the population within the present WBBM-TV NLSC will also be within the NLSCs of the ATSC 1.0 Host Stations, meeting the 95% requirement of FCC Rule §73.3801(f)(6)(ii).

As outlined above, viewer access to WBBM-TV required programming will not be affected by minor coverage deviations resulting from the relocation of WBBM-TV signals described herein. It is therefore permissible for Licensee to rely on multicast streams for continued compliance with the Commission’s Childrens’ Television Programming requirements. WBBM-TV carries at least two hours per week of core programming on its primary channel. Several additional hours per week of core programming are carried on WBBM-TV’s multicast channels. As such, continued compliance with the Commission’s programming requirements will not be affected by the instant proposal.

To alleviate any potential viewer confusion associated with the relocation of the WBBM-TV channels, Licensee will air notices to over-the-air viewers of WBBM-TV that it intends to discontinue ATSC 1.0 operations and begin broadcasting in the Next Gen TV standard on WBBM-TV beginning February 5, 2024, and instruct all over-the-air viewers to re-scan and tune to Channel 2 (the PSIP “virtual” channel for WBBM-TV) in order to continue receiving the programming of the WBBM-TV primary and multicast channels in the ATSC 1.0 standard.

While Licensee has provided the requisite notice to MVPDs about the relocation of the WBBM-TV primary ATSC 1.0 stream, no coordination with MVPDs concerning the relocation of the WBBM-TV Multicast Channels is necessary because no MVPDs currently carry these channels. If any of the streams become carried by any MVPDs Licensee agrees to coordinate

³ The contour in **Figure 3** provides contours for the WFLD(TV) Construction Permit facility. Construction of this facility is expected in early 2024 according to the WFLD *Fifth Reimbursement Invoice Submission Extension Request* (See Legal STA LMS File 0000219566). Regardless, the temporary WFLD antenna NLSC contour shown in **Figure 6** overlaps 98.6% of the WBBM-TV NLSC, which also meets the 95% requirement of FCC Rule §73.3801(f)(6)(ii).

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with impacted MVPDs, as necessary, to ensure that they receive a good quality signal of the multicast streams over-the-air or via alternative delivery methods.

Figure 1
Noise Limited Service Contours

WBBM-TV & WGN-TV Chicago, IL
 Facility IDs 9617 & 72115

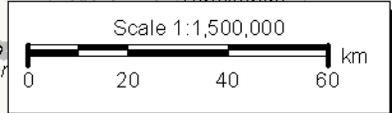
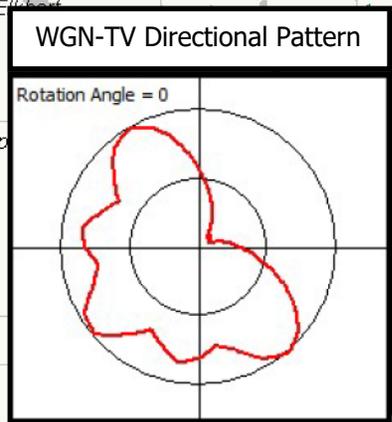
WGN-TV Licensed (1.0 Host)
 LMS File 0000189522
 Ch. 19 645 kW (Max-DA) 497.7 m
 48 dBμ Principal Community Contour
 41 dBμ F(50, 90) Service Contour *

WBBM-TV Licensed (1.0 Tenant)
 LMS File 0000198049
 Ch. 12 10.9 kW 500.4 m
 36 dBμ F(50, 90) Service Contour
 Population (Census 2020): 10,192,420

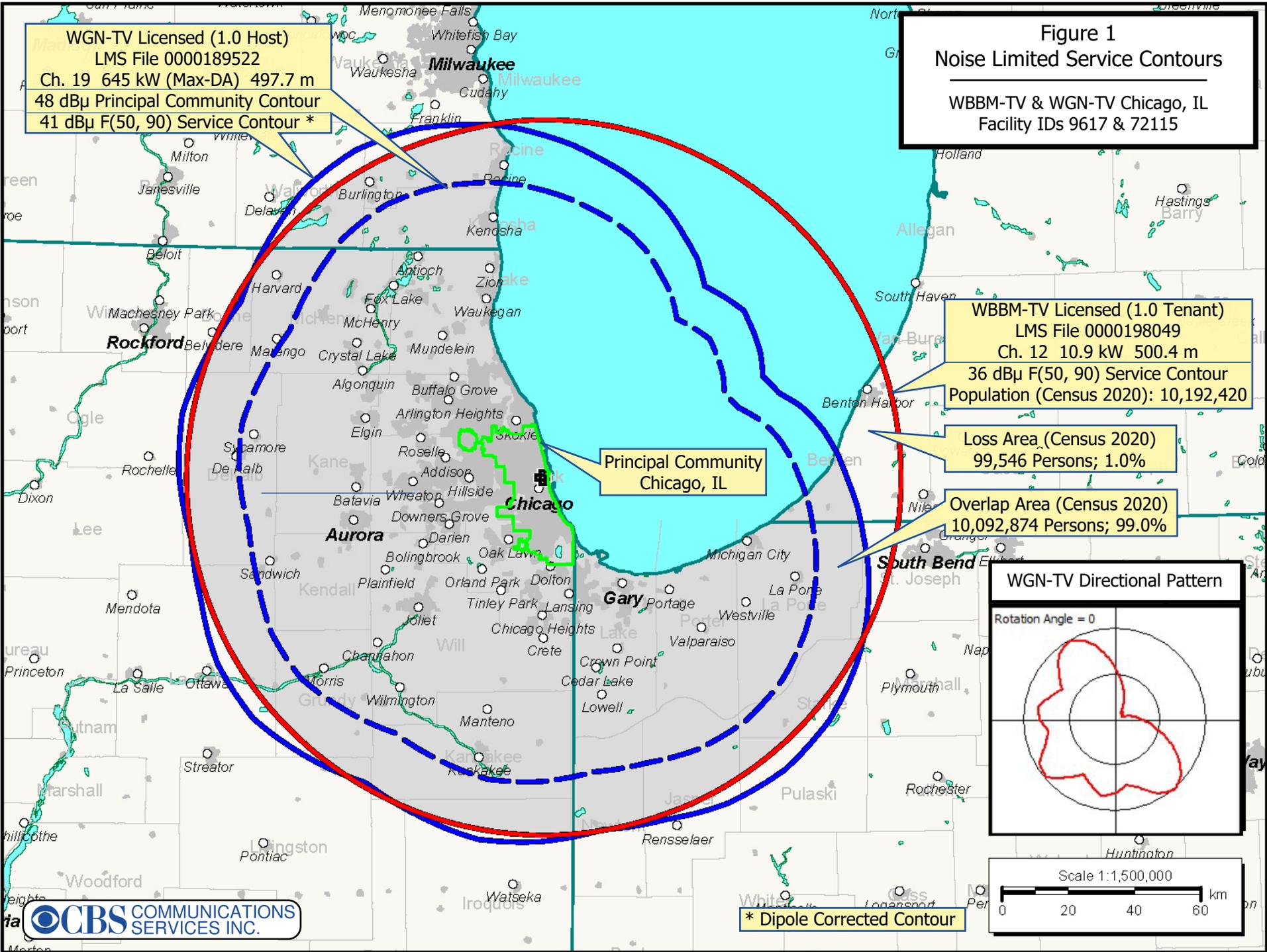
Loss Area (Census 2020)
 99,546 Persons; 1.0%

Overlap Area (Census 2020)
 10,092,874 Persons; 99.0%

Principal Community
 Chicago, IL



* Dipole Corrected Contour



WMAQ-TV Construction Permit (1.0 Host)
 LMS File 0000080396
 Ch. 33 398 kW (Max-DA) 509 m
 48 dBμ F(50,90) Community Contour
 41 dBμ F(50, 90) Service Contour *

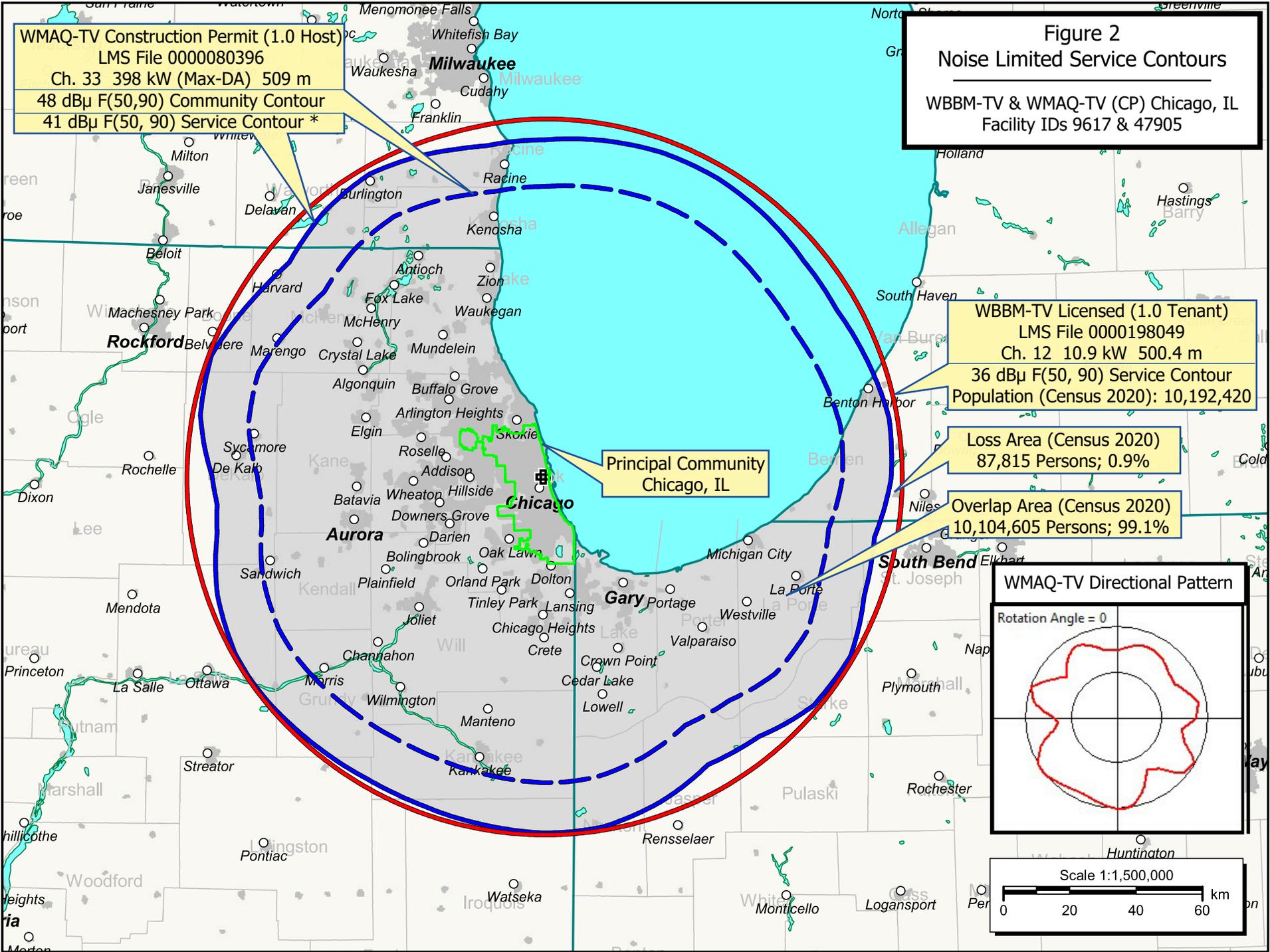
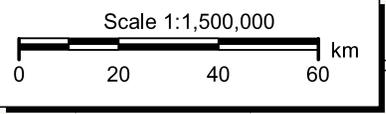
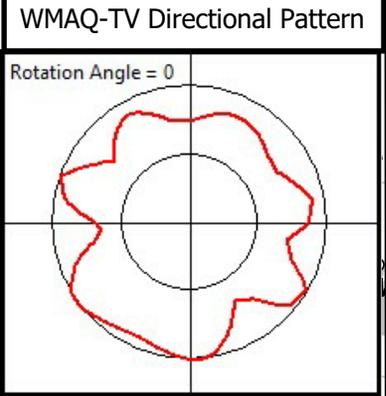
Figure 2
 Noise Limited Service Contours
 WBBM-TV & WMAQ-TV (CP) Chicago, IL
 Facility IDs 9617 & 47905

WBBM-TV Licensed (1.0 Tenant)
 LMS File 0000198049
 Ch. 12 10.9 kW 500.4 m
 36 dBμ F(50, 90) Service Contour
 Population (Census 2020): 10,192,420

Loss Area (Census 2020)
 87,815 Persons; 0.9%

Overlap Area (Census 2020)
 10,104,605 Persons; 99.1%

Principal Community
 Chicago, IL



WFLD(TV) Construction Permit (1.0 Host)
 LMS File 0000072366
 Ch. 24 1,000 kW (Max-DA) 520 m
 48 dBμ F(50,90) Community Contour
 41 dBμ F(50, 90) Service Contour *

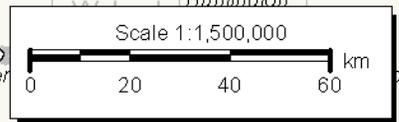
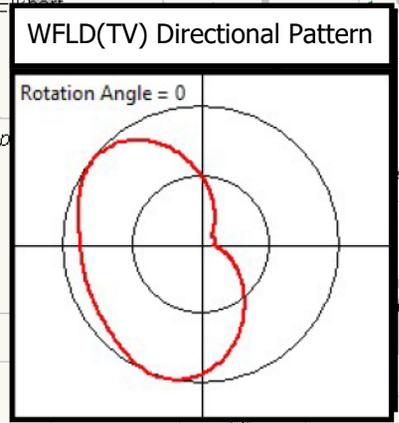
Figure 3
Noise Limited Service Contours
 WBBM-TV & WFLD(TV)(CP) Chicago, IL
 Facility IDs 9617 & 22211

WBBM-TV Licensed (1.0 Tenant)
 LMS File 0000198049
 Ch. 12 10.9 kW 500.4 m
 36 dBμ F(50, 90) Service Contour
 Population (Census 2020): 10,192,420

Loss Area (Census 2020)
 133,721 Persons; 1.3%

Overlap Area (Census 2020)
 10,058,699 Persons; 98.7%

Principal Community
 Chicago, IL



* Dipole Corrected Contour

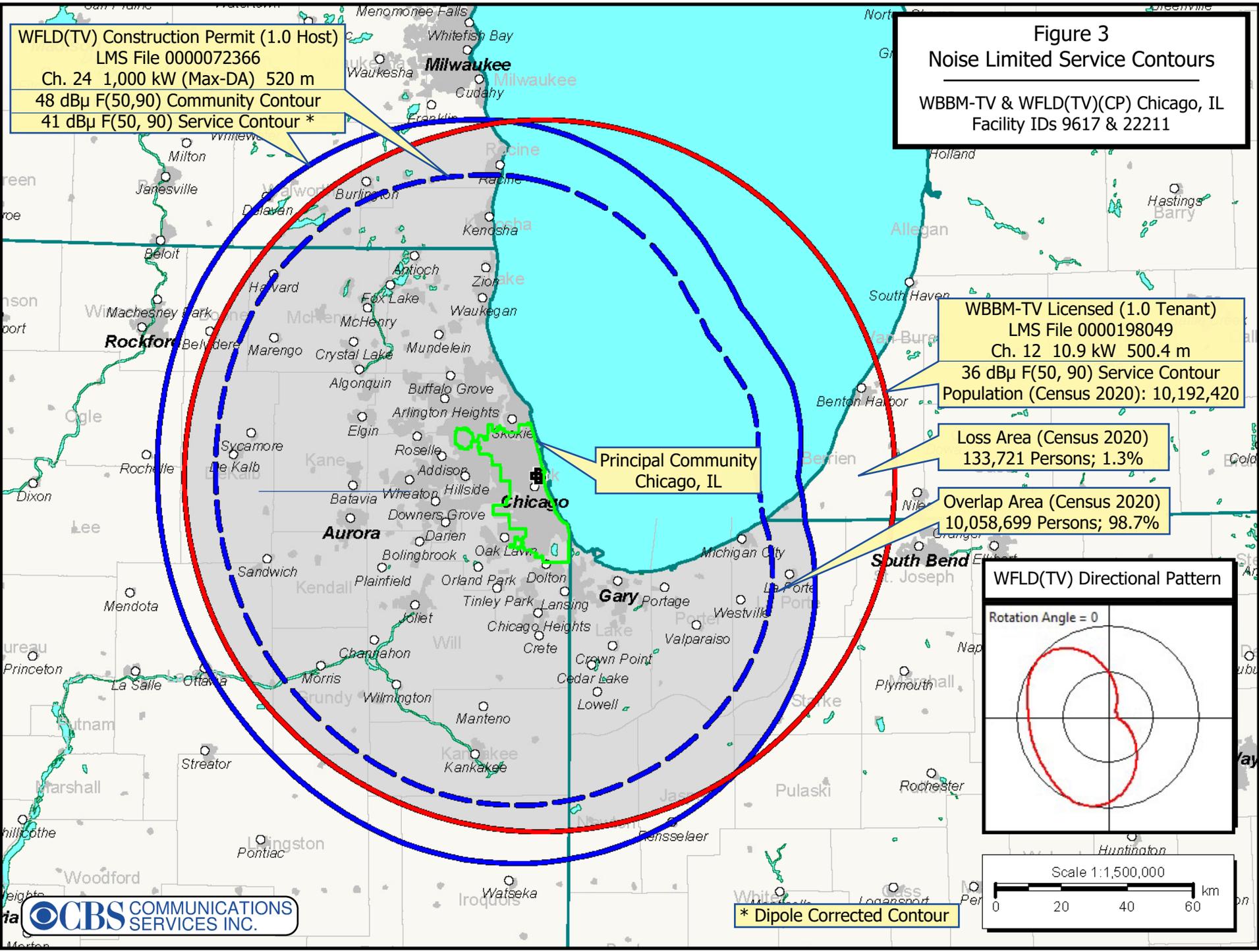


Figure 4
Noise Limited Service Contours

WBBM-TV & WGBO-DT Joliet, IL
 Facility IDs 9617 & 12498

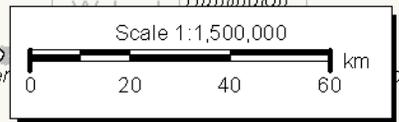
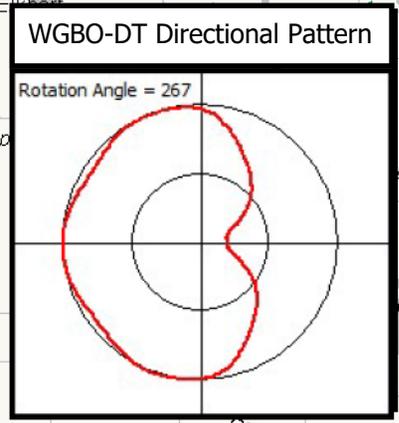
WGBO-DT Licensed (1.0 Host)
 LMS File 0000123507
 Ch. 35 635 kW (Max-DA) 403 m
 48 dBμ F(50,90) Community Contour
 41 dBμ F(50, 90) Service Contour *

WBBM-TV Licensed (1.0 Tenant)
 LMS File 0000198049
 Ch. 12 10.9 kW 500.4 m
 36 dBμ F(50, 90) Service Contour
 Population (Census 2020): 10,192,420

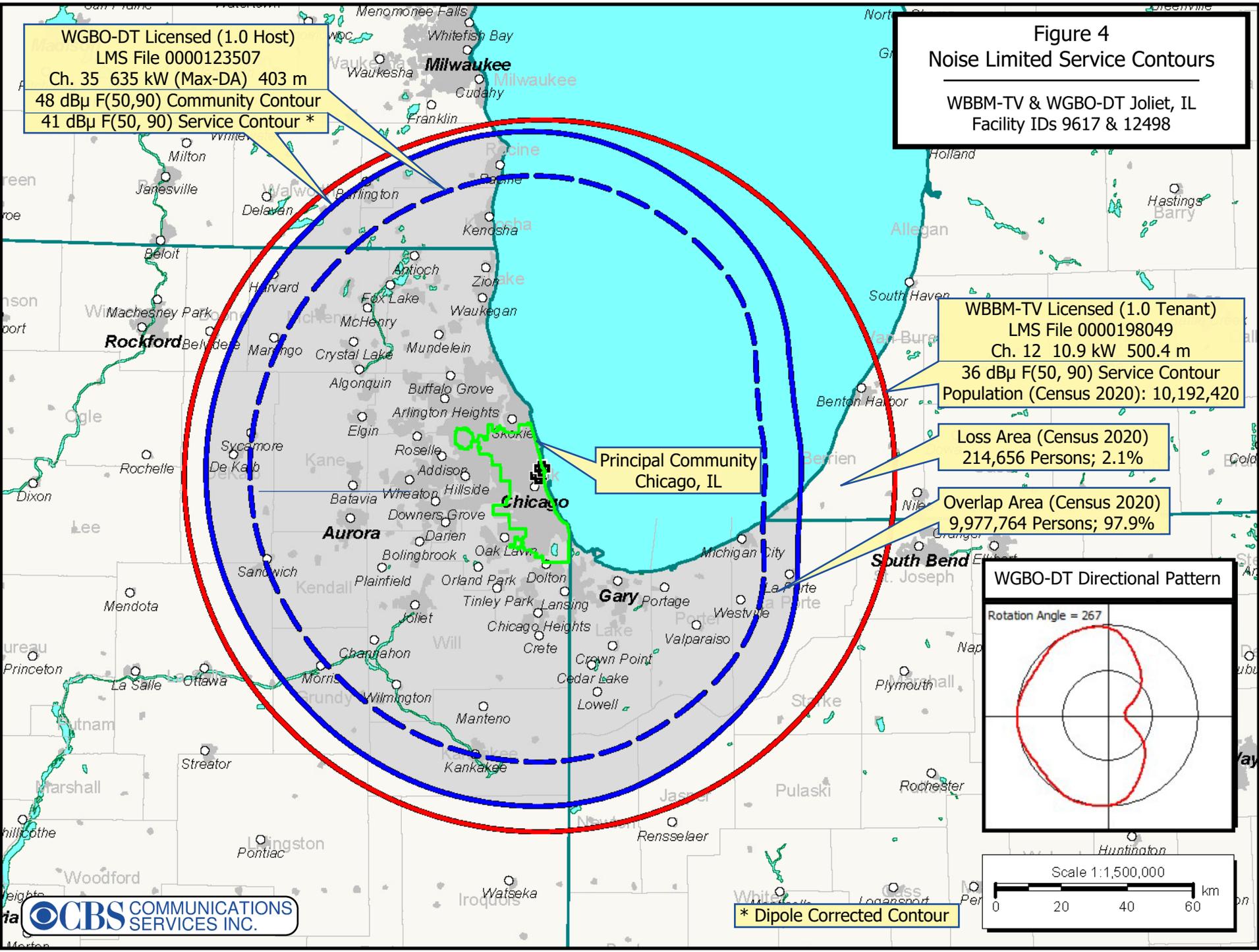
Loss Area (Census 2020)
 214,656 Persons; 2.1%

Overlap Area (Census 2020)
 9,977,764 Persons; 97.9%

Principal Community
 Chicago, IL



* Dipole Corrected Contour



WMAQ-TV (Aux) License (1.0 Host)
 LMS File 000087776
 Ch. 33 175 kW (Max-DA) 510 m
 48 dBµ F(50,90) Community Contour
 41 dBµ F(50, 90) Service Contour *

Figure 5
Noise Limited Service Contours
 WBBM-TV & WMAQ-TV (Aux) Chicago, IL
 Facility IDs 9617 & 47905

WBBM-TV Licensed (1.0 Tenant)
 LMS File 0000198049
 Ch. 12 10.9 kW 500.4 m
 36 dBµ F(50, 90) Service Contour
 Population (Census 2020): 10,192,420

Loss Area (Census 2020)
 388,809 Persons; 3.8%

Overlap Area (Census 2020)
 9,803,611 Persons; 96.2%

Principal Community
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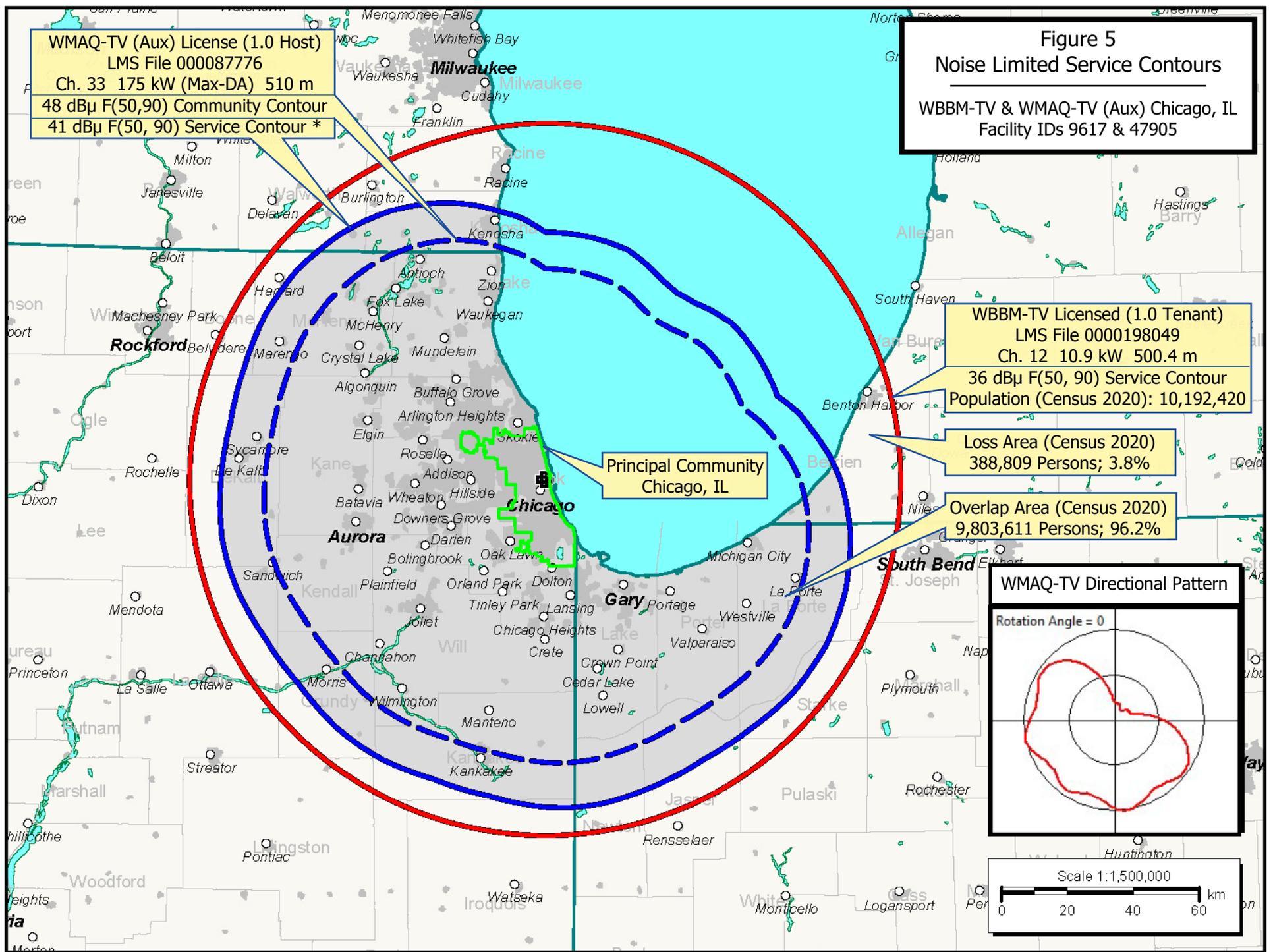
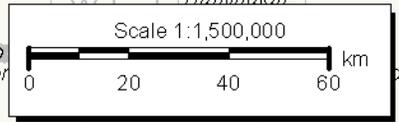
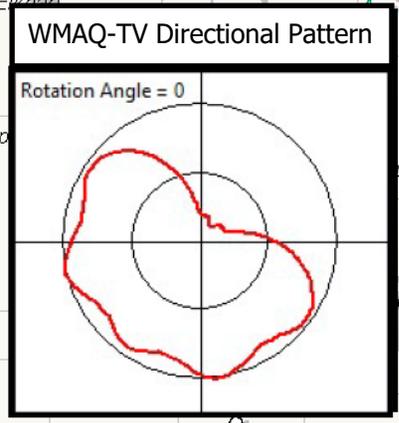


Figure 6
Noise Limited Service Contours
WBBM-TV & WFLD(TV)(STA) Chicago, IL
Facility IDs 9617 & 22211

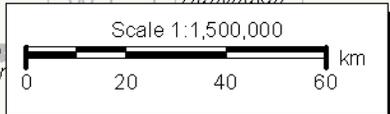
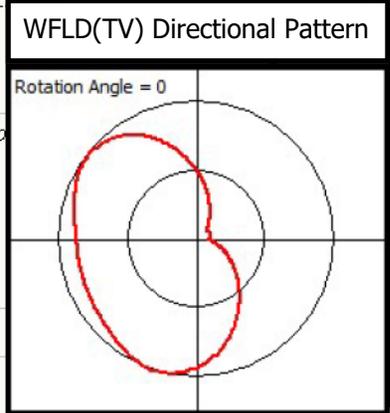
WFLD(TV)(STA) (1.0 Host)
 LMS File 0000219722
 Ch. 24 1,000 kW (Max-DA) 419 m
 48 dBμ F(50,90) Community Contour
 41 dBμ F(50, 90) Service Contour *

WBBM-TV Licensed (1.0 Tenant)
 LMS File 0000198049
 Ch. 12 10.9 kW 500.4 m
 36 dBμ F(50, 90) Service Contour
 Population (Census 2020): 10,192,420

Loss Area (Census 2020)
 140,723 Persons; 1.4%

Overlap Area (Census 2020)
 10,051,697 Persons; 98.6%

Principal Community
 Chicago, IL



* Dipole Corrected Contour

