

TECHNICAL EXHIBIT
CHANGE OF PRINCIPAL COMMUNITY
KATZ-FM Facility ID No. 48958

ALTON, ILLINOIS
BRIDGETON, MISSOURI

Technical Narrative

This technical narrative and accompanying Figures have been prepared on behalf of station KATZ-FM, Alton, Illinois, Facility ID No. 48958, in support of a minor change application to specify operations on channel 262C3 at Bridgeton, Missouri, in lieu of channel 262B at Alton¹.

As the requested change is mutually exclusive with the Station's current allotment, this modification is appropriately requested on a minor modification application. See 47 C.F.R. Sections 73.203(a), 73.3573(a)(i) and 73.3573(g).

The following is a summary of the merits of this proposal:

- The community of Bridgeton, Missouri (2000 Census population 15,500 persons) would be provided with its first local aural transmission service.
- The community of Alton, Illinois (2000 Census population 30,496 persons) would continue to have local aural transmission service from WBGZ(AM) Facility ID No.41384.
- The proposed channel 262C3 allotment site at Bridgeton, Missouri satisfies the Commission's allocations spacing rules for a fully spaced, full 25 kilowatt ("kW") Class C3 facility.²

¹ Allocation Coordinates of 38-49-04.0N 90-24-58.0W have been selected for Bridgeton, Missouri.

Table of Figures Accompanying this Exhibit

Figure 1	KATZ-FM Channel 262C3 Allocations Spacing Study at Allocations Site
Figure 1a	KATZ Present and Proposed 60 dBu Service
Figure 2	KATZ-FM 70 dBu Service
Figure 3	Transmitter to principal community "line of site" diagram.
Figure 4	Map of Services to Loss Area
Figure 5	Tabulation of Services to Loss Area
Figure 6	Map of Protected Service to Proposed Community of License
Figure 7	Table of Protected Service to Proposed Community of License

Proposed Change

Alton is located in Madison County, Illinois, and has a 2000 U.S. Census population of 30,496 persons. Alton would continue to be served by AM station WBGZ(AM) Facility ID No.41384.

Bridgeton is located in Saint Louis County, Missouri, and has a 2000 U.S. Census population of 15,500 persons. Bridgeton has no local FM or AM aural transmission service and, therefore, this proposal would bring a first local aural transmission service to Bridgeton.

Compliance With FCC Rules

The attached *Figure 1* is a tabulation of required separations pertinent to use of channel 262C3 at Bridgeton, Missouri. The site complies with the Commission's minimum distance separations contained in Section 73.207 of the FCC's rules to all existing, authorized and proposed stations and allotments as a full 25 kW Class C3 allotment, except for a pre-existing short spacing that has existed with first adjacent station WYMG since September 1961. Thus this is a "Grandfatherd shortspaced" arrangement that is allowed as this application seeks 41 km reduction in this short spacing from -83 km to only -42 km. Also shown in Figure 1 is KATZ-FM's existing channel 262B operation at

Alton, Illinois, for which this proposal is a mutually exclusive substitute.

Figure 2 is a map which depicts the community grade coverage (70 dBu) contour based on maximum class C3 facilities (ERP 25 kW/HAAT 100 meters) at the proposed allotment site. As shown, all (100%) of Bridgeton is located within the predicted 70 dBu community grade contour. Figure 3 graphically represents the allocation site, the reference point of Bridgeton, Missouri, and the terrain between those two points. As can be seen, "line of site" exists between the allocation site and the community.

60 dbu Gain and Loss Areas

KATZ currently serves 2,389,020 persons in its 60 dBu contour. Of this current total, 497,482 persons will not be served by the facility requested in this application, constituting a "loss" area. Local Alton, Illinois service will be maintained by AM station WBGZ(AM). In addition, the current 60 dBu service area of KATZ will continue to be served by numerous local services.

The KATZ facility proposed in this application will serve 1,891,538 persons, in an area of 4,772 sq.kM.

Proposed 70 dBu Area

There are 852,947 persons residing within the proposed KATZ-FM's 70 dBu contour as calculated from the site and based on maximum Class C3 facilities; the area within this contour would be 1659 square kilometers.

Urbanized Area Considerations

Both the existing and proposed 70 dBu contours encompasses more than 50% of the population and area of the Saint Louis Urbanized Area.

Coverage Contours

The FM predicted coverage contours were calculated in accordance with the provisions of 47 C.F.R. Section 73.313, except that, in accordance with current FCC practice,

uniform terrain was assumed in all directions. The AM predicted coverage contours were calculated in accordance with the provisions of 47 C.F.R. Section 73.182.

Population and Area

The population within the FM service contour (1 mV/m or 60 dBu) was calculated using a computer program that utilizes the 2000 U.S. Census database of "population centroids". The program adds the populations of those U.S. Census designated areas whose centroid lies within each service area.

Protected Service to Proposed Community of License

Bridgeton, Missouri, the proposed community of license, currently receives protected aural service from 38 radio stations, as shown in *Figures 6 and 7* (counting those stations which provide protected service to at least 80 percent of the area of the community of license).

Conclusion

KATZ-FM can be modified from operation on channel 262B at Alton, Illinois, to operation on channel 262C3 at Bridgeton, Missouri, in compliance with all applicable Commission rules. The community of Bridgeton, Missouri would be provided with a first local aural transmission service, and the community of Alton, Illinois would continue to have local aural transmission service. No service would be lost in any underserved area³ and no new underserved areas would be created as a result of this proposal. Therefore, the licensee requests the issuance of a construction permit for the minor modification of KATZ-FM to specify operations on channel 262C3 at Bridgeton, Missouri.

³ Defined as an area receiving service from less than five aural broadcast services.

Respectfully submitted,

Troy G. Langham
FCC Engineering Supervisor
February 25, 2008

Figure 1
Spacing Study at Allocation Site

Allocation Site

ComStudy 2.2 search of channel 262 (100.3 MHz Class C3) at 38-49-04.0 N, 90-24-58.0 W.

Callsign	State	City	Freq	Chanl	ERP_w	Class	Status	Dist_km	Sep	Clr
KATZ-FM	IL	ALTON	100.3	262	50000	B	LIC	21.19	211	-189.8
KATZ-FM	IL	ALTON	100.3	262	0	B	USE	21.19	211	-189.8
WYMG	IL	JACKSONVILLE	100.5	263	50000	B	LIC	102.9	145	-42.1
WYMG	IL	JACKSONVILLE	100.5	263	0	B	USE	102.9	145	-42.1
KCFV	MO	FERGUSON	89.5	208	100	A	LIC	12.41	12	0.4
KDJR	MO	DE SOTO	100.1	261	0	A	USE	89.14	89	0.1
KDJR	MO	DE SOTO	100.1	261	2000	A	LIC	89.14	89	0.1
KYMC	MO	BALLWIN	89.7	209	120	A	LIC	23.91	12	11.9
KFAV	MO	WARRENTON	99.9	260	10500	C3	LIC	54.61	43	11.6
891002MP	MO	TROY	100.7	264	0	A	USE	55.24	42	13.2
KFNS-FM	MO	TROY	100.7	264	6000	A	LIC	56.72	42	14.7
WCBW-FM	IL	EAST ST. LOUIS	89.7	209	250	A	LIC	27.81	12	15.8
880107MP	MO	WARRENTON	99.9	260	0	C3	USE	62.92	43	19.9

Figure 1a
KATZ Present and Proposed 60 dBu Service

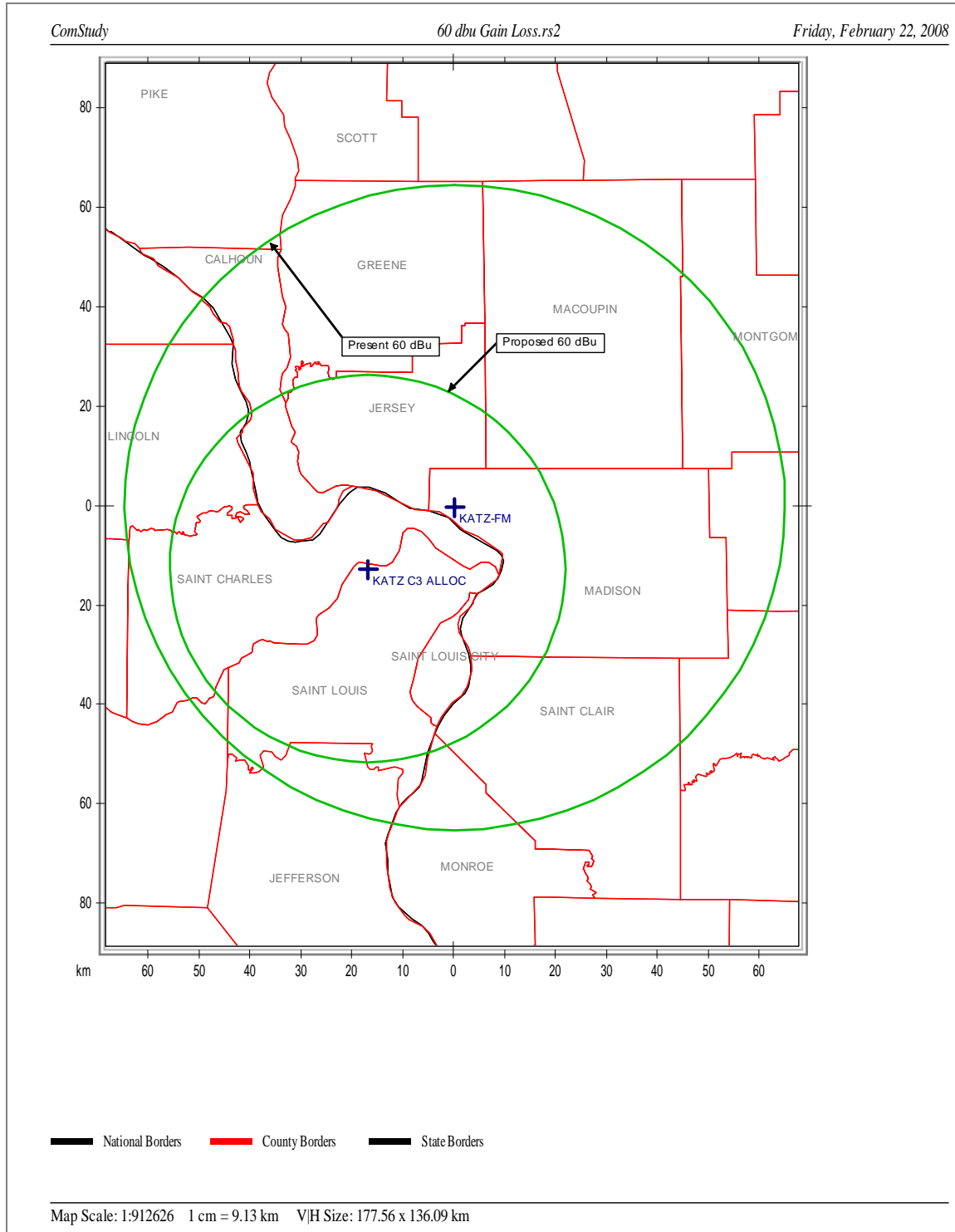


Figure 2
Present and Proposed 70 dBu Service

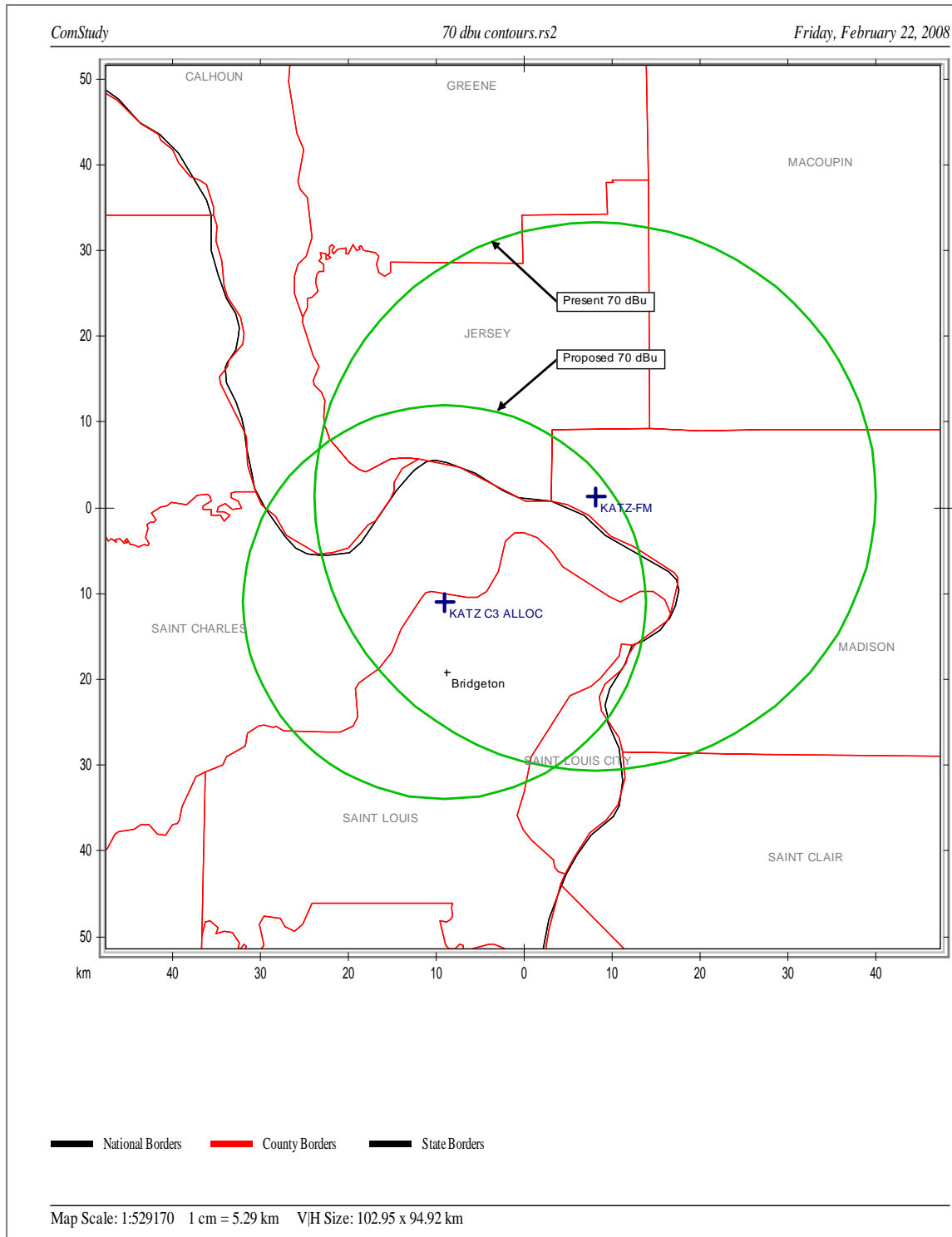


Figure 3
"Line of site" diagram

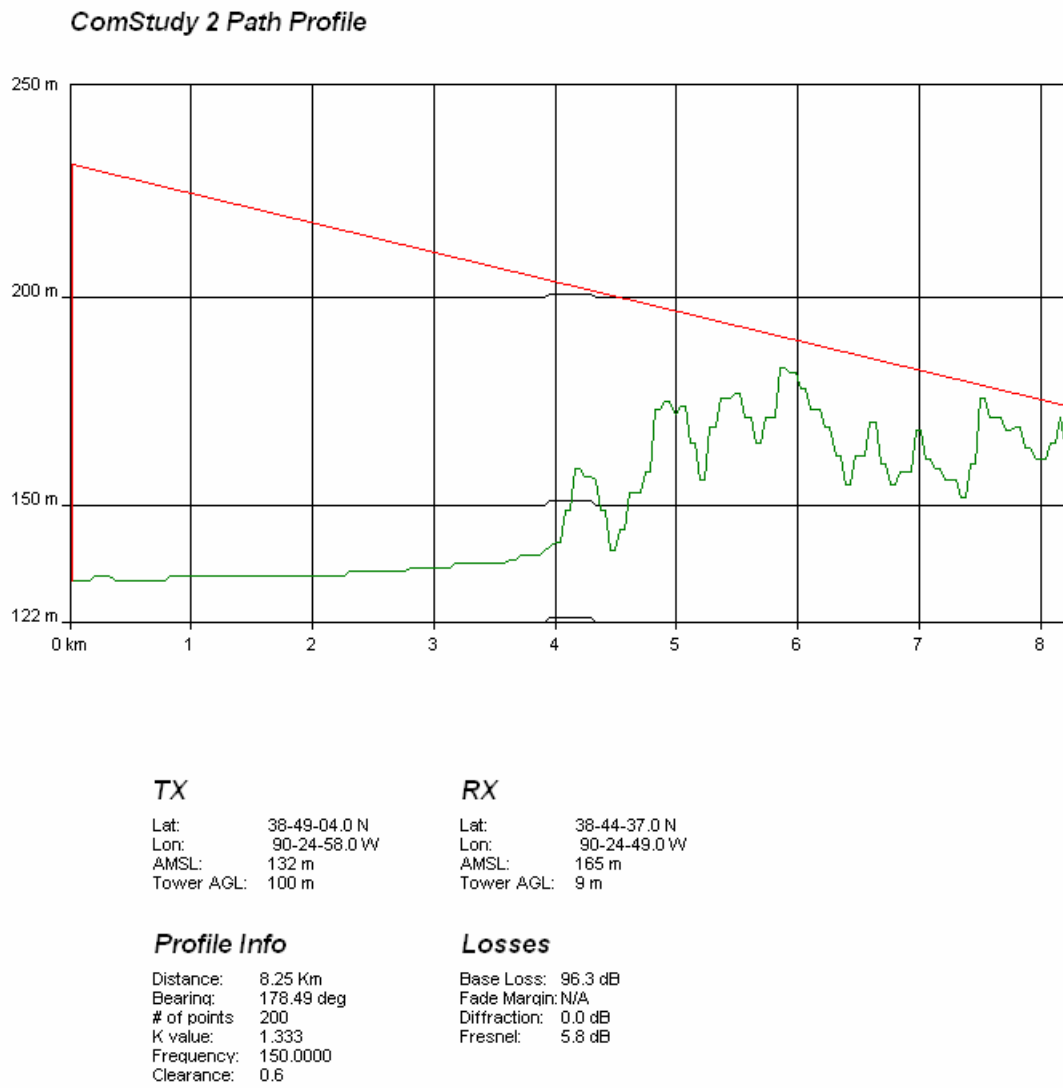


Figure 4
Map of Services to Loss Area

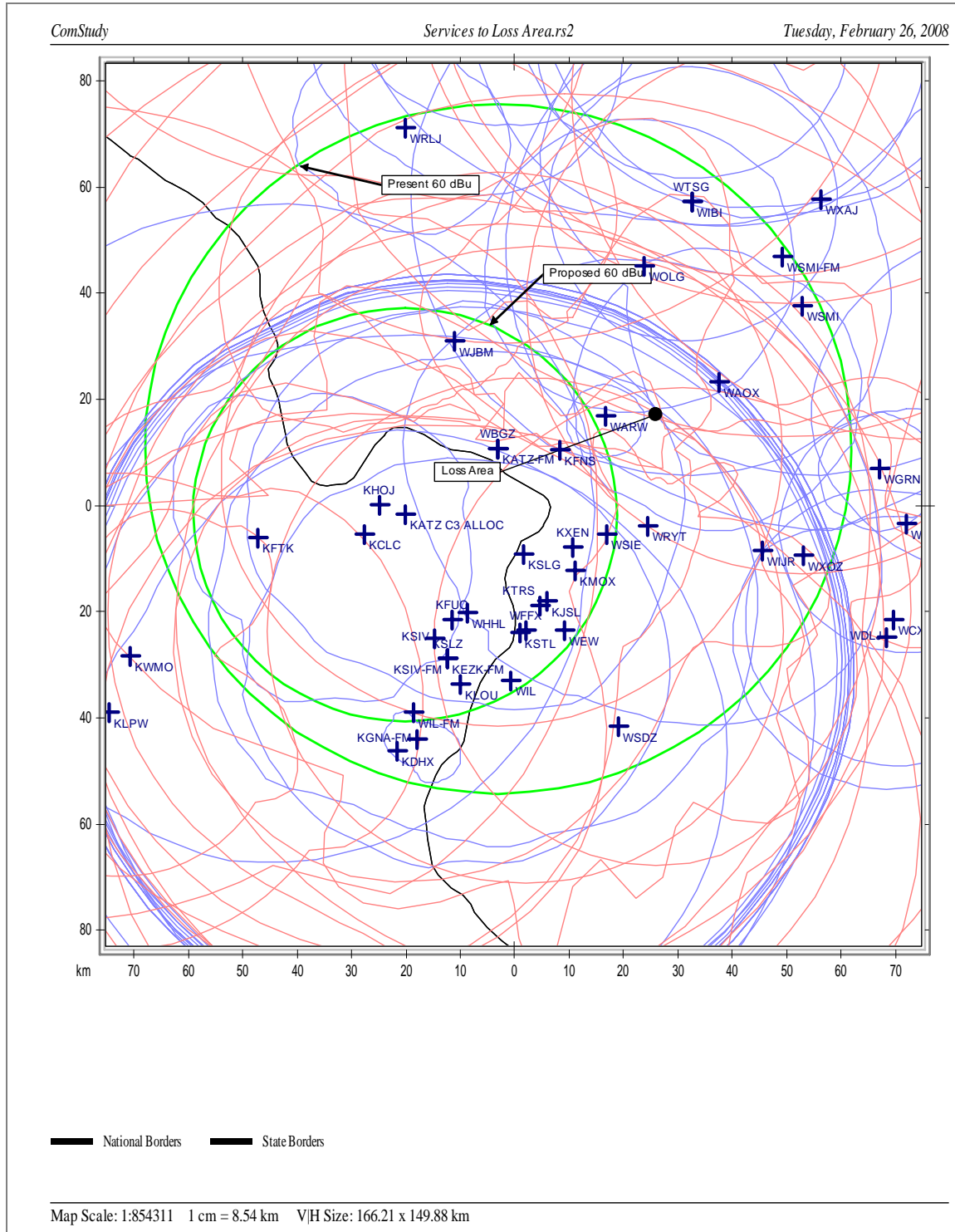


Figure 5
Table of Services to Loss Area

Call Sign	State	City
KATZ	MO	ST. LOUIS
KCLC	MO	ST. CHARLES
KDHX	MO	ST. LOUIS
KEZK-FM	MO	ST. LOUIS
KFNS	IL	WOOD RIVER
KFTK	MO	FLORISSANT
KFUO	MO	CLAYTON
KFUO-FM	MO	CLAYTON
KGNA-FM	MO	ARNOLD
KHOJ	MO	ST. CHARLES
KIHT	MO	ST. LOUIS
KJSL	MO	ST. LOUIS
KLOU	MO	ST. LOUIS
KLPW	MO	UNION
KMJM-FM	IL	COLUMBIA
KMOX	MO	ST. LOUIS
KRFT	MO	UNIVERSITY CITY
KSD	MO	ST. LOUIS
KSHE	MO	CRESTWOOD
KSIV	MO	CLAYTON
KSIV-FM	MO	ST. LOUIS
KSLG	MO	ST. LOUIS
KSLZ	MO	ST. LOUIS
KSTL	MO	ST. LOUIS
KTRS	MO	ST. LOUIS
KWMO	MO	WASHINGTON
KWMU	MO	ST. LOUIS
KWRE	MO	WARRENTON
KXEN	MO	ST. LOUIS
KYKY	MO	ST. LOUIS
WAOX	IL	STAUNTON
WARH	IL	GRANITE CITY
WARW	IL	DORSEY
WBGZ	IL	ALTON
WCVS-FM	IL	VIRDEN
WCXO	IL	CARLYLE
WDLJ	IL	BREESE
WEAI	IL	LYNNVILLE
WEW	MO	ST. LOUIS
WFFX	IL	EAST ST. LOUIS
WFMB	IL	SPRINGFIELD
WFMB-FM	IL	SPRINGFIELD
WFUN-FM	IL	BETHALTO
WGEL	IL	GREENVILLE
WGNU	IL	GRANITE CITY

WGRN	IL	GREENVILLE
WHHL	MO	HAZELWOOD
WIBI	IL	CARLINVILLE
WIHM	IL	TAYLORVILLE
WIJR	IL	HIGHLAND
WIL	MO	ST. LOUIS
WIL-FM	MO	ST. LOUIS
WJBM	IL	JERSEYVILLE
WJLY	IL	RAMSEY
		SOUTH
WJVO	IL	JACKSONVILLE
WLDS	IL	JACKSONVILLE
WMAY	IL	SPRINGFIELD
WNNS	IL	SPRINGFIELD
WOLG	IL	CARLINVILLE
WQQJ	IL	SPRINGFIELD
WRLJ	IL	WHITE HALL
WRMS	IL	BEARDSTOWN
WRYT	IL	EDWARDSVILLE
WSDZ	IL	BELLEVILLE
WSIE	IL	EDWARDSVILLE
WSMI	IL	LITCHFIELD
WSMI-FM	IL	LITCHFIELD
WTAX	IL	SPRINGFIELD
WTSG	IL	CARLINVILLE
WXAJ	IL	HILLSBORO
WXOZ	IL	HIGHLAND
WYMG	IL	JACKSONVILLE

Figure 6

Map of Protected Service to Proposed Community of License

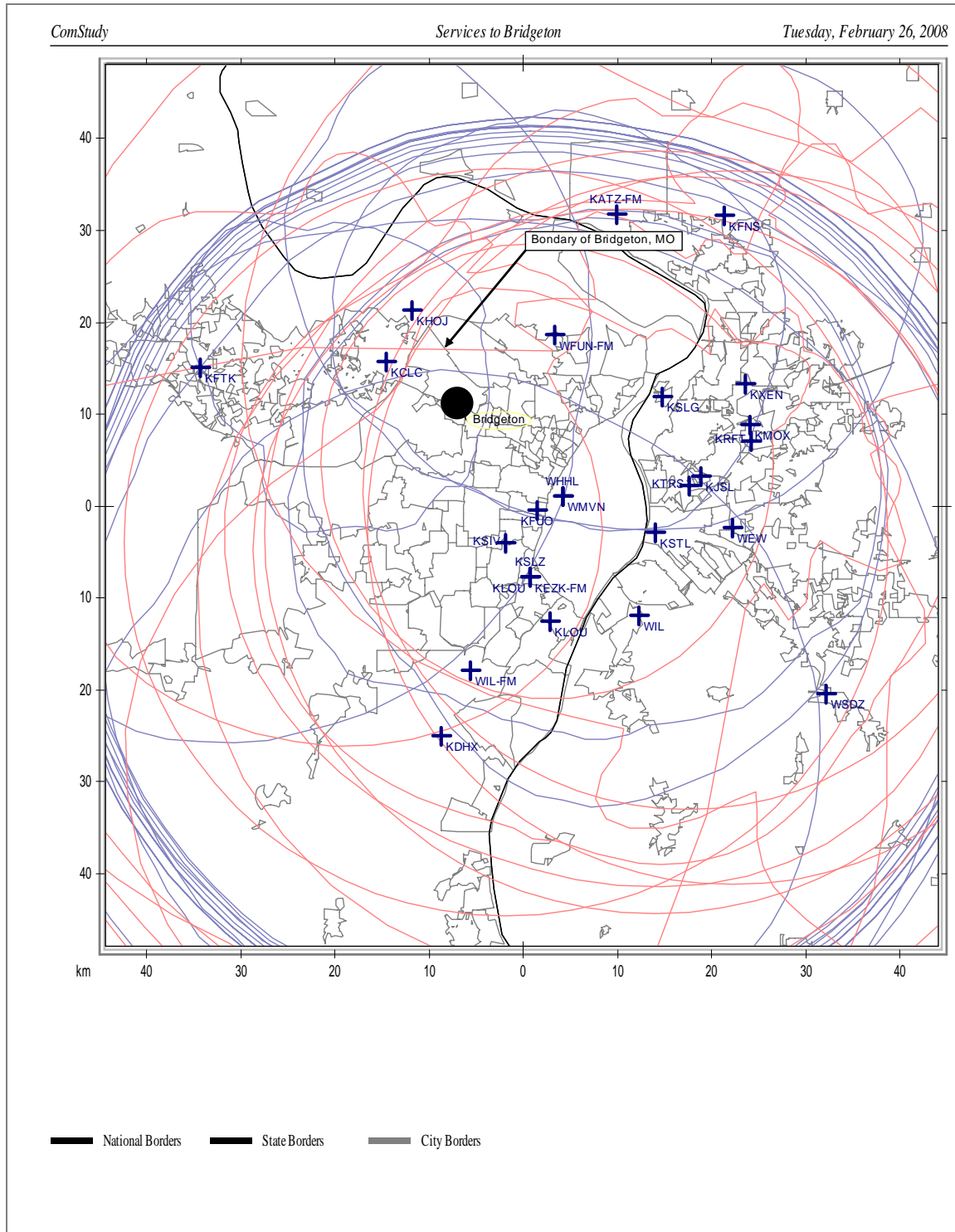


Figure 7

Table of Protected Service to Proposed Community of License

Call Sign	City	State
WFUN-FM	BETHALTO	IL
KEZK-FM	ST. LOUIS	MO
KDHX	ST. LOUIS	MO
KATZ-FM	ALTON	IL
KCLC	ST. CHARLES	MO
KLOU	ST. LOUIS	MO
KSLZ	ST. LOUIS	MO
WMVN	EAST ST. LOUIS	IL
KLOU	ST. LOUIS	MO
WARH	GRANITE CITY	IL
KFTK	FLORISSANT	MO
KSIV-FM	ST. LOUIS	MO
KSD	ST. LOUIS	MO
WIL-FM	ST. LOUIS	MO
WHHL	HAZELWOOD	MO
KWMU	ST. LOUIS	MO
KSD	ST. LOUIS	MO
KSHE	CRESTWOOD	MO
KIHT	ST. LOUIS	MO
KYKY	ST. LOUIS	MO
WARH	GRANITE CITY	IL
KFUO-FM	CLAYTON	MO
KJSL	ST. LOUIS	MO
KSLG	ST. LOUIS	MO
WEW	ST. LOUIS	MO
KTRS	ST. LOUIS	MO
KXEN	ST. LOUIS	MO
KATZ	ST. LOUIS	MO
KMOX	ST. LOUIS	MO
WIL	ST. LOUIS	MO
KRFT	UNIVERSITY CITY	MO
KFUO	CLAYTON	MO
KSIV	CLAYTON	MO
WGNU	GRANITE CITY	IL
KFNS	WOOD RIVER	IL
KSTL	ST. LOUIS	MO
KHOJ	ST. CHARLES	MO
WSDZ	BELLEVILLE	IL