

**WMCI CITY OF LICENSE CHANGE
307(b) TECHNICAL REPORT**

This technical report has been developed in support of an application for a minor modification to station WMCI(FM) requesting a change in city of license from Neoga, IL to Mattoon, IL (2010 population = 18,555) as a second operating, licensed service and a third local service when the vacant FM channel 245B is considered with an additional 60 dBu service population of 820 (2015 Census estimates) and 58 sq. km. Analyses and exhibits are provided herein to meet the requirements of question 18, exhibit 36 of form 301.

Proposed terrain based service contours population and area (2015):

60 dBu	111,011 (+840)	4,827 square kilometers (+58)
70 dBu	36,739	1,703 square kilometers

Urbanized area analysis:

Neither the WMCI licensed nor the proposed 70 dBu impacts any Urbanized Area nor can it with any potential site move to an existing tower.

Gain area (exhibit A):

The proposed 60 dBu yields a population (2015) of 111,011 with a net population gain of 840 and a net gain in area served of 58 sq. km. The gain area includes some 5th and greater aural service (see exhibit A). There is no loss of service.

Reception services (exhibits B and C):

Mattoon, IL receives eight (8) reception services (7 FM + 1 AM) while Neoga, IL receives ten (10) reception services (8 FM + 2 AM). These services are defined as 60 dBu FM or 2 mV/m AM day. The number of services will not change as a result of the WMCI city of license change.

WMCI as proposed will be the second aural broadcast service licensed to Mattoon, IL and only the third allocated service.

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Mattoon is served by non-commercial station WLKL on channel 210A. Vacant channel 245B is also allocated to Mattoon.

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Neoga, IL (2010 population = 1,636) will continue to be served by WHQQ (FM).

Conclusion:

It is concluded that the change in city of license for WMCI from Neoga, IL to Mattoon, IL will (1) provide a second local licensed service and third allocated service to a much larger and growing community Mattoon, IL (18,555), (2) provide a 60 dBu population gain of 840 and an area gain of 58 sq km and serve a city with fewer reception services than Neoga. Neoga, IL will continue to receive local service from WHQQ(FM) licensed there.



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EXHIBIT B MATTOON RECEPTION SERVICES

FM Stations Covering Mattoon (7)

Call Sign	Principal City	State	Frequency (MHz)	CDBS Facility ID
WWGO	Charleston	IL	92.1	72317
WLKL	Mattoon	IL	89.9	12868
WMCI	Neoga	IL	101.3	65572
WZNX	Sullivan	IL	106.7	57461
WCRC	Effingham	IL	95.7	19048
WILL-FM	Urbana	IL	90.9	68940
WHQQ	Neoga	IL	98.9	73997

AM Stations Covering Mattoon (1)

Call Sign	Principal City	State	Frequency (kHz)	CDBS Facility ID
WILL	Urbana	IL	580	68941

*FM 60 dBu or AM 2 mV/m.

EXHIBIT C NEOGA RECEPTION SERVICES

FM Stations Covering Neoga (8)

Call Sign	Principal City	State	Frequency (MHz)	CDBS Facility ID
WMCI	Neoga	IL	101.3	65572
WHQQ	Neoga	IL	98.9	73997
WCRC	Effingham	IL	95.7	19048
WLKL	Mattoon	IL	89.9	12868
WKJT	Teutopolis	IL	102.3	31833
WIKK	Newton	IL	103.5	58366
WWGO	Charleston	IL	92.1	72317
WZNX	Sullivan	IL	106.7	57461

AM Stations Covering Neoga (2)

Call Sign	Principal City	State	Frequency (kHz)	CDBS Facility ID
WCRA	Effingham	IL	1090	19047
WILL	Urbana	IL	580	68941

*FM 60 dBu or AM 2 mV/m.