

July 2007
WSSR 244A Joliet, Illinois
Allocation Study

Background

On October 19, 2006, WSSR was granted a construction permit for operation from ASR #1023012. The instant application proposes operation from this same tower, but on a top pole-mounted antenna rather than a side-mounted antenna.

The attached spacing study shows that the proposed operation meets the co-channel and adjacent channel spacing requirements for Class A stations as prescribed in §73.207 of the Commission's Rules, with the exception of short-spacings to the following stations:

WCOE 244A La Porte

The proposed WSSR facility is 14 km short-spaced to the licensed operation of WCOE Channel 244A at La Porte. Processing pursuant to §73.215 of the Commission's Rules is requested with respect to WCOE, and the attached cochannel study map is included to demonstrate the lack of prohibited contour overlap with that station, assuming WCOE operation with maximum Class A facilities.

WWDV 245B Zion

The proposed WSSR facility is 12 km short-spaced to the licensed operation of WWDV Channel 245B at Zion. Processing pursuant to §73.215 of the Commission's Rules is requested with respect to WWDV.

The licensed WSSR facility (BMLH-19990203KC) operates as a grandfathered 3 kW equivalent Class A station (with 3.5 kW ERP at 84 meters HAAT), fully-spaced to WWDV under §73.213(c) of the Commission's Rules.¹ Despite the fact that the two stations are fully-spaced under that rule

¹ The licensed WSSR transmitter site is 109 km from the WWDV transmitter site. §73.213(c) specifies a full spacing distance of 105 km for first-adjacent-channel Class B and 3 kW Class A stations.

section, there does exist overlap of the licensed WSSR interfering contour to the WWDV protected contour. (WSSR does not receive overlap from WWDV.)

As depicted on the attached allocation study map, the proposed WSSR facility results in a decrease in the area of caused overlap. Specifically, the area of overlap caused to WWDV is reduced from 84 to 59 km². For the purposes of this study, WWDV has been assumed to operate with maximum Class B facilities of 50 kW ERP at 150 meters HAAT, omnidirectionally.

Commission policy permits areas of existing “fully spaced” overlap to be maintained in short-spaced applications so long as the area of overlap is not increased. Therefore, it is believed that the instant application complies with all allocation requirements with respect to WWDV. It is not believed necessary to request a waiver in this situation, but waiver of §73.215 is nevertheless requested to the extent required.

WBBM-FM 242B Chicago

WDRV 246B Chicago

The proposed WSSR facility is short-spaced to the operations of WBBM-FM and WDRV. The licensed WSSR facility is also short-spaced to those stations. These are second-adjacent-channel grandfathered short-spacings which have existed continuously since November 16, 1964. Therefore, per §73.213(a)(4) of the Commission's Rules there is no distance separation or interference protection requirement for WSSR with respect to WBBM-FM and WDRV.

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SEARCH PARAMETERS FM Database Date: 070706
 Channel: 244A 96.7 MHz Page 1
 Latitude: 41 36 1
 Longitude: 87 58 44
 Safety Zone: 32 km
 Job Title: WSSR 244A MIDAMERICA TOWER

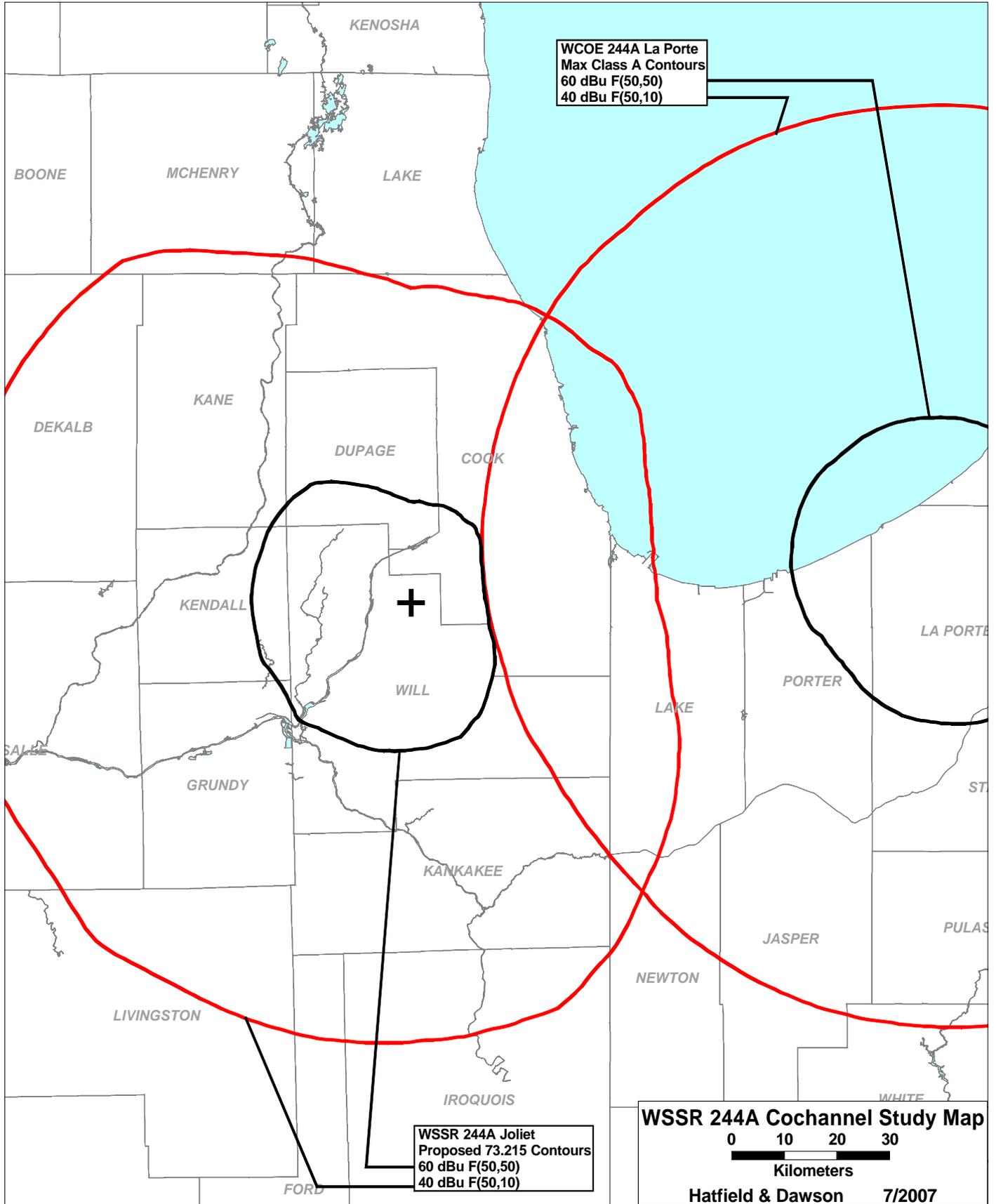
Call Status	City St	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude	Bearing deg-True	Dist (km)	Req (km)
WBBMaux LIC	CHICAGO IL	BLH-920218KB	242B 96.3	1.400 443.0	41-52-44 087-38-10	42.4	42.08 0.00	0 AUX
WBBMaux LIC	CHICAGO IL	BXLH-050427AAG	242B 96.3	19.000 147.6	41-56-17 087-45-04	26.6	42.03 0.00	0 AUX
WBBM-FM LIC	CHICAGO IL	BMLH-011026AAG	242B 96.3	4.200 474.0	41-52-44 087-38-08	42.5	42.11 -26.89	69 SHORT
NOTE: NO SPACING OR INTERFERENCE PROTECTION REQUIREMENT PER 73.213(A)								
WKOT LIC	MARSEILLES IL	BLH-990608KC	243A 96.5	2.500 100.0	41-18-33 088-48-45	245.3	76.79 4.79	72 CLOSE
WSSR LIC	JOLIET IL	BMLH-990203KC	244A 96.7	3.500 84.0	41-32-06 088-03-15	220.8	9.59 -105.41	115 SHORT
WSSR CP	JOLIET IL	BPH-060810AIO	244A 96.7	3.600 131.0	41-36-01 087-58-44	0.0 SS	0.00 -115.00	115 SHORT
WKGL-FM LIC	LOVES PARK IL	BLH-020823AAB	244A 96.7	2.200 168.0	42-21-48 089-08-06	312.0 SS	127.92 12.92	115 CLEAR
W244BQ CP MOD	PARK RIDGE IL	BMPFT-060510AAG	244D 96.7	0.010 52.0	42-01-56 087-47-11	18.3	50.57 0.00	0 TRANS
WCOE LIC	LA PORTE IN	BLH-2496	244A 96.7	3.000 81.0	41-37-55 086-45-43	87.6	101.49 -13.51	115 SHORT
ABSOLUTE MINIMUM 73.215 SPACING = 92 KM								
WWDV LIC	ZION IL	BLH-870127KB	245B 96.9	50.000 148.0	42-30-36 087-53-11	4.3	101.34 -11.66	113 SHORT
ABSOLUTE MINIMUM 73.215 SPACING = 96 KM								
WDRV LIC	CHICAGO IL	BLH-840515CP	246B 97.1	8.400 363.0	41-53-08 087-37-15	43.0	43.49 -25.51	69 SHORT
NOTE: NO SPACING OR INTERFERENCE PROTECTION REQUIREMENT PER 73.213(A)								
WDRV CP	CHICAGO IL	BPH-050328ARX	246B 97.1	8.300 363.0	41-53-06 087-37-18	43.0	43.39 -25.61	69 SHORT
NOTE: NO SPACING OR INTERFERENCE PROTECTION REQUIREMENT PER 73.213(A)								

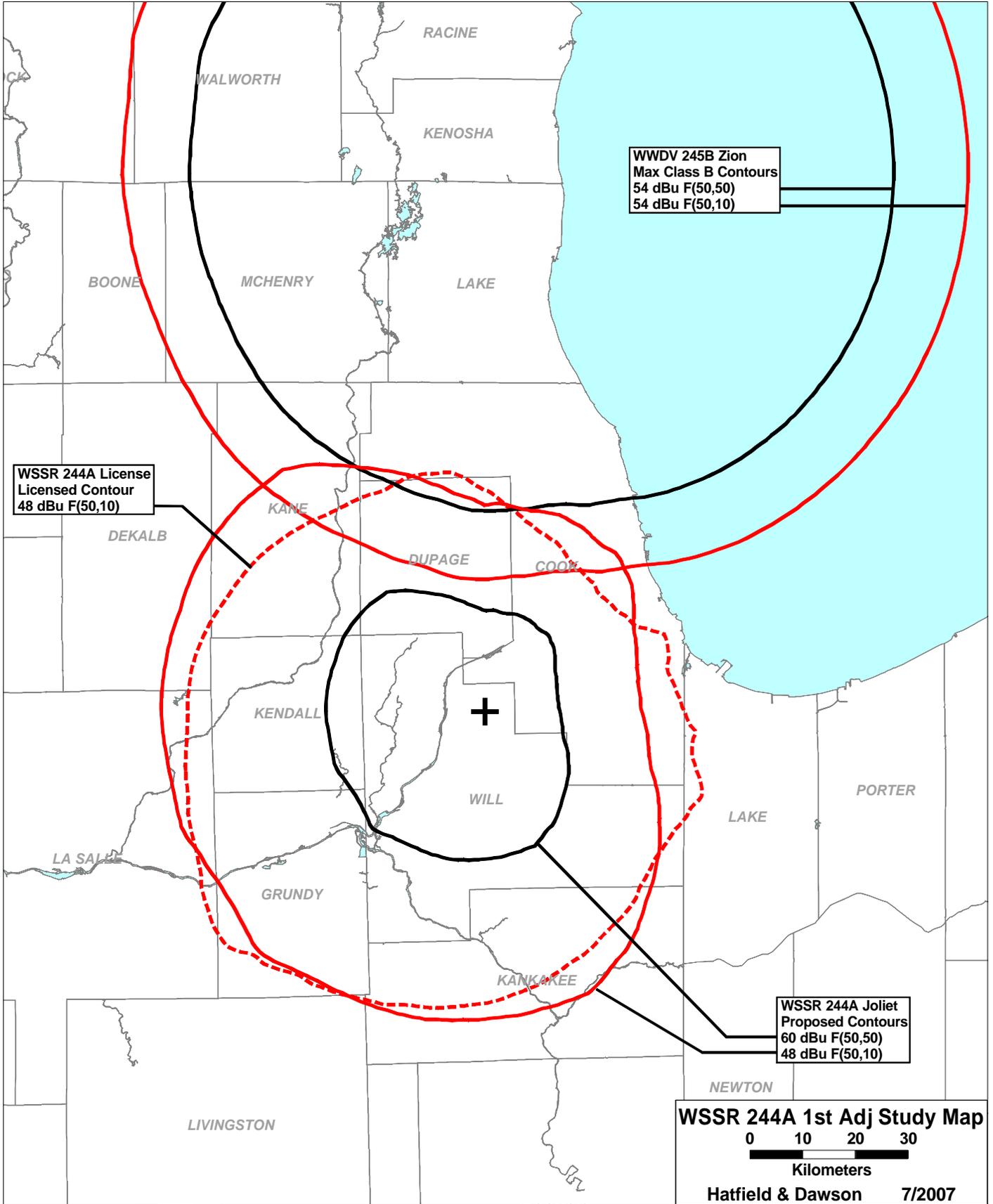
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SEARCH PARAMETERS                               FM Database Date: 070706
Channel: 244A      96.7 MHz                      Page 2
Latitude: 41 36 1
Longitude: 87 58 44
Safety Zone: 32 km
Job Title: WSSR 244A MIDAMERICA TOWER
    
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Call Status	City St	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude	Bearing deg-True	Dist (km)	Req (km)
WDRVaux LIC	CHICAGO IL	BXLH-070301AAS	246B 97.1	3.000 403.0	41-53-56 087-37-23	41.5	44.45 0.00	0 AUX
WGCI-FM LIC	CHICAGO IL	BLH-010413AAL	298B 107.5	3.700 472.0	41-52-44 087-38-08	42.5	42.11 27.11	15 CLEAR

44444 END OF FM SPACING STUDY FOR CHANNEL 244 **44444**





WWDV 245B Zion
 Max Class B Contours
 54 dBu F(50,50)
 54 dBu F(50,10)

WSSR 244A License
 Licensed Contour
 48 dBu F(50,10)

WSSR 244A Joliet
 Proposed Contours
 60 dBu F(50,50)
 48 dBu F(50,10)

WSSR 244A 1st Adj Study Map

0 10 20 30

Kilometers

Hatfield & Dawson 7/2007