

APPLICATION FOR CONSTRUCTION PERMIT FOR FM BROADCAST STATION
WBKY(FM): STOUGHTON, WISCONSIN; FCC FACILITY ID: 39625
CHANNEL 240, 95.9 MHZ; CLASS A
ERP, 2.75 KW; OMNI-DIRECTIONAL ANTENNA; HAAT, 150.0 METERS
APPLICANT: MAGNUM COMMUNICATIONS, INC.

ENGINEERING STUDY

Magnum Communications, Inc. Permittee/Applicant, by this Application for Construction Permit For Commercial Broadcast Station (FCC Form Number: 301) specifies proposed technical facilities for Station WBKY(FM) permitted to operate on FM Channel 240A at Stoughton, Wisconsin at an antenna/tower location at geographic coordinates 42°-51'-06" North Latitude, 89°-17'-02" West Longitude.

Operation of Station WBKY(FM), as proposed at this location creates a 0.6 kilometer "Short-Spacing" to an upper "Second Adjacent" (plus 400 kilohertz) Channel 242B1 assignment at Sauk City, Wisconsin occupied by licensed FM Broadcast Station WMAD(FM); FCC File Number: BLH-19900911KC; FCC Facility ID Number: 50055. Attachment A is a Channel 240A Distance Separation Study with the applicants proposed antenna tower coordinates as base reference.

This Application seeks an authorization pursuant to 47 Code of Federal Regulations §73.215, to prevent prohibited overlap of contours involving Station WMAD(FM), Sauk City, with Station WBKY(FM) as proposed modified, at Stoughton, Wisconsin.

The station WMAD(FM) License specifies an Effective Radiated Power (ERP) of 5,100 watts (5.10 kW), or 7.076 dBk, and an omni-directional antenna radiation center Height Above Average Terrain (HAAT) of 208.6 meters, less than "maximum" Class B1 FM station

facilities. WMAD(FM) is also currently authorized under 73.215 rules. Therefore, WBKY is only required to protect WMAD(FM) to its currently authorized facility instead of a full class B1.

The Station WMAD(FM), Sauk City, Wisconsin protected 57.0 dBu, F(50,50) service contour is displayed in relation to the WBKY(FM) interfering 100.0 dBu, F(50,10) predicted contour.

The Station WMAD(FM), Sauk City, Wisconsin interfering 97.0 dBu, F(50,10) service contour is displayed in relation to the WBKY(FM) protected 60.0 dBu, F(50,50) predicted contour.

Attachment B is an "Interference Study Map", which clearly displays no prohibited contour overlap shall occur between affected stations.

EXHIBIT STUDY; CONCLUDED

ATTACHMENT A
Channel 240 Distance Separation Study

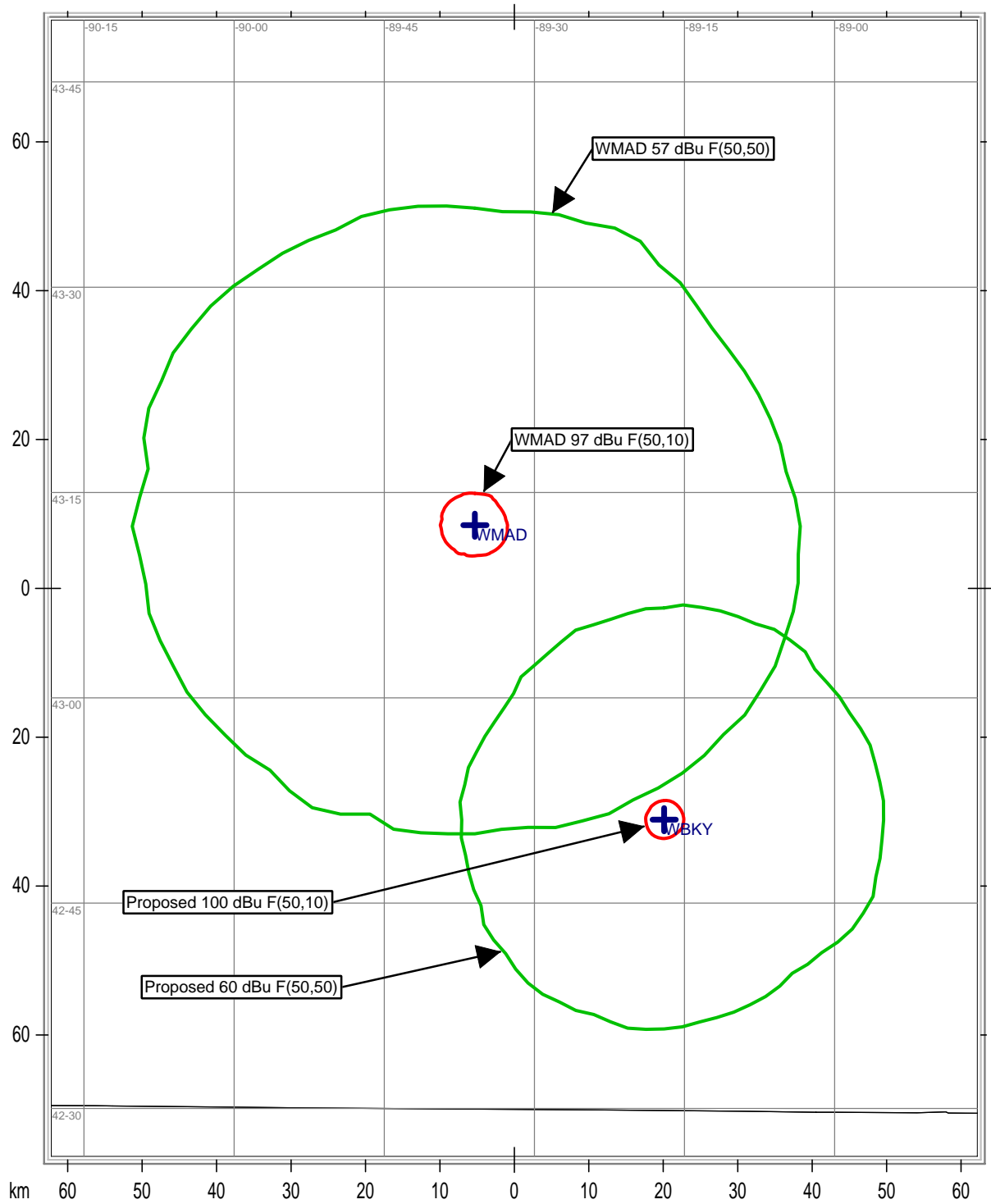
REFERENCE
42 51 06 N.
89 17 02 W.

CLASS = A
Current Spacings

DISPLAY DATES
DATA 02-06-08
SEARCH 02-07-08

----- Channel 240 - 95.9 MHz -----

Call	Channel	Location		Azi	Dist	FCC	Margin
WMAD	LIC-N 242B1	Sauk City	WI	327.4	47.40	48.0	-0.60
WRIT-F	LIC 239B	Milwaukee	WI	76.1	114.75	113.0	1.75
WLKG	LIC-Z 241A	Lake Geneva	WI	111.1	73.91	72.0	1.91
WSEY	LIC-N 239A	Oregon	IL	187.3	87.32	72.0	15.32
KMXG	LIC 241C1	Clinton	IA	214.8	164.24	133.0	31.24
WERV-F	LIC 240A	Aurora	IL	144.9	146.57	115.0	31.57
WRTB	LIC 237A	Winnebago	IL	171.0	63.10	31.0	32.10
WKCH	LIC-Z 293A	Whitewater	WI	82.0	43.91	10.0	33.91
WJQM	LIC 294A	Mount Horeb	WI	289.8	51.07	10.0	41.07
RADD	ADD 238A	Mineral Point	WI	271.0	73.22	31.0	42.22
RS0421	RSV 238A	Mineral Point	WI	271.0	73.22	31.0	42.22
AP8913	APP 238A	Mineral Point	WI	269.3	74.58	31.0	43.58
WTCX	LIC-Z 241A	Ripon	WI	22.7	116.76	72.0	44.76
WKLH	LIC 243B	Milwaukee	WI	75.9	115.71	69.0	46.71
WXRO	LIC-Z 237A	Beaver Dam	WI	28.3	78.07	31.0	47.07
WKSZ	LIC-N 240C3	De Pere	WI	31.5	197.57	142.0	55.57
WXYM	LIC 241C2	Tomah	WI	317.1	179.99	106.0	73.99



— National Borders — State Borders — Lat/Lon Grid