

**Technical Statement
In support of
Withers Broadcasting Company of Missouri, LLC**

**K262AX
Facility ID 153453
Scott City, MO**

Application for Minor Change

Expedited Processing Requested

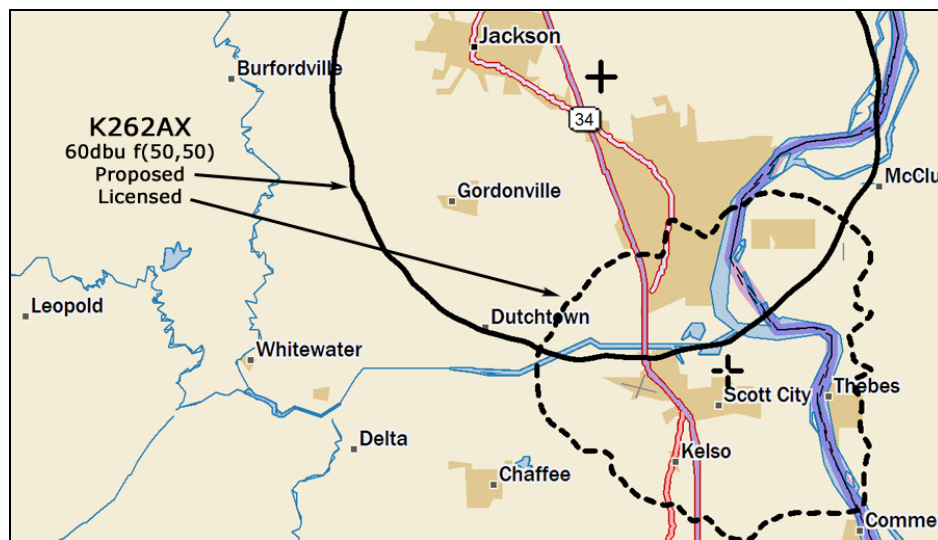
Withers Broadcasting Company of Missouri, LLC requests the following changes to its K262AX:

- | | |
|----------------------------|--------------------|
| • Transmitter Location | • Primary Facility |
| • Effective Radiated Power | • Fill-in Status |
| • Antenna Height | • Community |

The station is currently silent under an STA that expires on November 19, 2009. Expedited processing is therefore requested in order to provide time to build the facility as contemplated in the instant application.

K262AX will be used to rebroadcast KAPE (AM), licensed to Cape Girardeau, MO. Therefore, a community change to Cape Girardeau is requested.

Minor Change



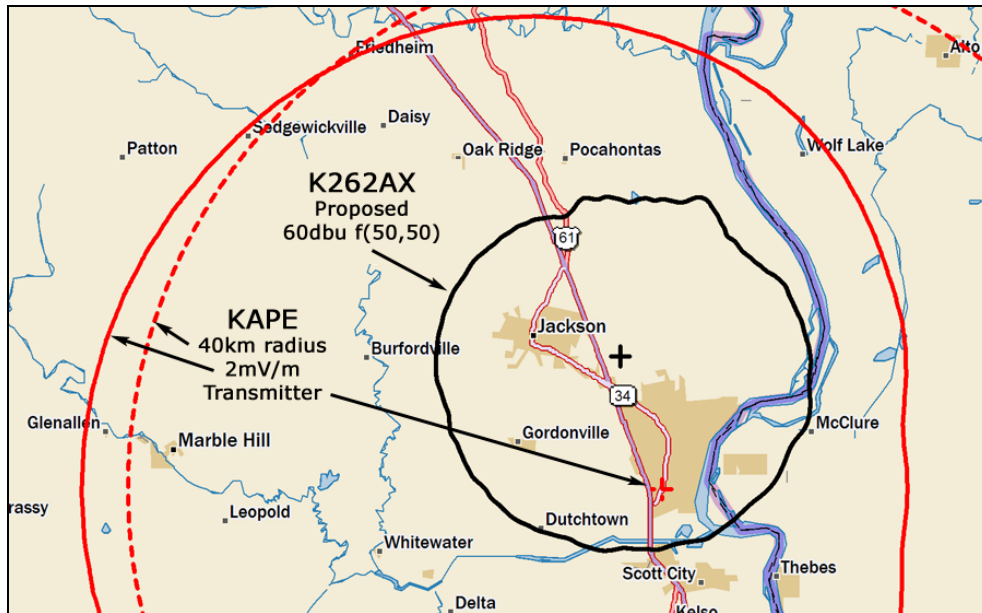
The proposed facility overlaps the licensed facility. No change in channel is requested. Therefore, the proposal qualifies as a minor change.

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Fill-In Service



The translator will be used as Fill-In for KAPE (AM), facility id 70594. KAPE is owned by Withers Broadcasting Company of Missouri, LLC, the licensee of K262AX. The proposed 60dbu f(50,50) contour of K262AX falls entirely within both the KAPE 2mV/m contour and 40km of the KAPE transmitter. Therefore, the proposed facility qualifies as a Fill-In Translator.

Interference

The table below shows all full power conflicts with a full power Class A facility at the proposed location. All conflicts exceeding the Class A requirements by more than 25km were suppressed.

appid	adj	chan	sts	call	st	city	erp	da	haat	az	dkm	req	Δ
174847	2	264C	LIC	KGMO	MO	CAPE GIRARDEAU	100	N	301	356	15.39	95	-79.61
149803	0	262C0	LIC	WVVR	KY	HOPKINSVILLE	100	N	305	100	167.26	215	-47.74
46798	2	260B	LIC	WOOZ-FM	IL	HARRISBURG	32	N	189	54	71.46	69	2.46
159236	1	261C2	LIC	WASL	TN	DYERSBURG	26	N	206	179	125.74	106	19.74
235593	0	262B	LIC	KATZ-FM	IL	ALTON	50	Y	150	342	197.97	178	19.97

The only records that are not fully spaced to a class A station at the location are second-adjacent KGMO and co-channel WVVR. No short-spaced first- or second-adjacent full power conflicts exist.

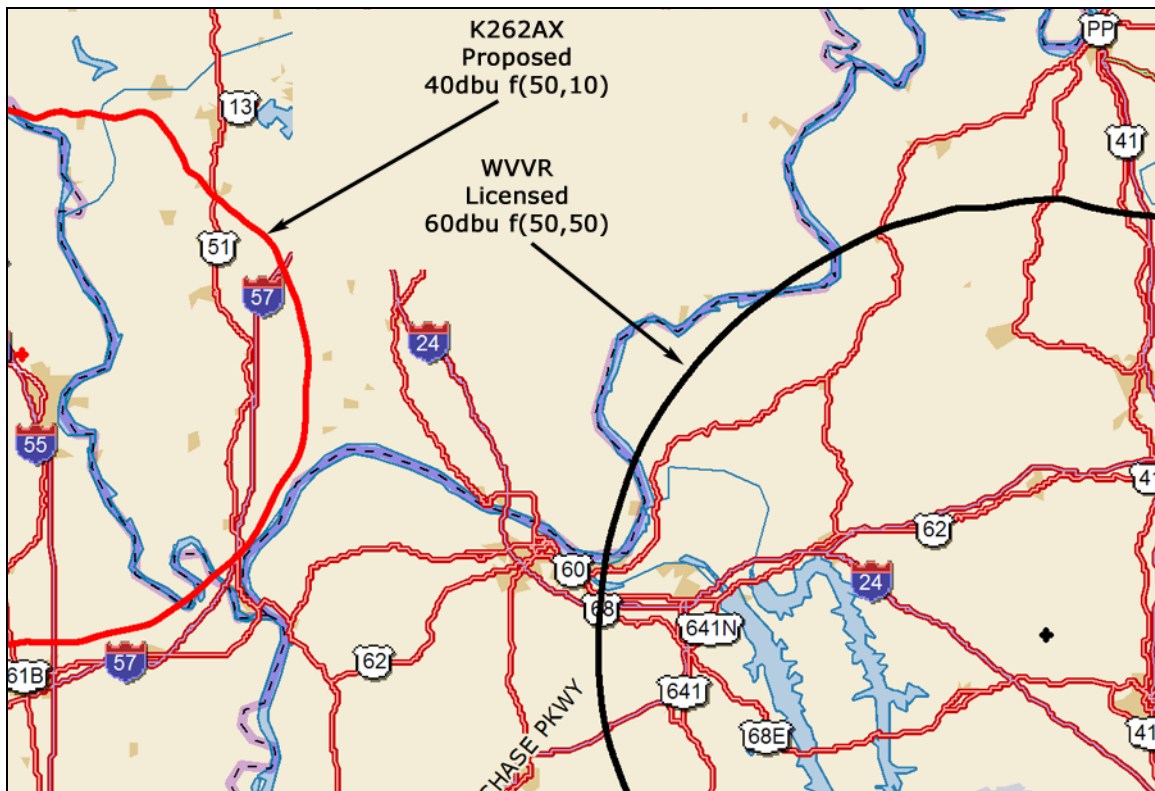
There are no co-channel or first-adjacent translators within range of possible interference.

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Outbound Co-Channel Interference



WVVR is a Class C0 station, and is protected to its 60dbu f(50,50) contour. As shown on the above map, there is no overlap between the proposed 40dbu f(50,10) contour and the 60dbu f(50,50) contour of WVVR. Therefore, there is no conflict between WVVR and the proposed facility.

Outbound Third Adjacent Interference

KGMO is a Class C station, and is protected to its 60dbu f(50,50) contour, which surrounds the proposed transmitter site of K262AX.

The KGMO 108dbu f(50,50) contour falls just outside the proposed transmitter site. At the proposed ERP of 193W, the free-space distance to the 148dbu interfering signal is less than 4m. Since the proposed antenna will be mounted at 61m above the ground, it is self-evident that a signal capable of causing objectionable interference to KGMO will not reach the ground.

Therefore, the interfering signal level is acceptable.

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TV6 Interference Protection

W300BD operates on a channel that is not implicated in TV Channel 6 interference. Therefore, no calculation of channel 6 TV interference is required.

Environmental

The antenna will be mounted on an existing tower at 61m above the ground. RF exposure will be less than $2.5 \mu \text{ W/cm}^2$, a small fraction of the allowable level. The equipment will be housed in an existing building. No excavation of any kind will be required. Appropriate access control and signage is provided. Therefore, this does not qualify as a major environmental action.

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