

Technical Exhibit

This proposal is within the 60 dbu contour of 2nd adjacent station KKMJ 238C1
This proposal is within the 60 dbu contour of 2nd adjacent station KAMX 234C0

Interference analysis

KKMJ and KAMX use a common antenna

KKMJ 238C1 Data from BLH-19980717KH

30-19-23 N.
97-47-58 W.

ERP = 50 kW
RCAMSL = 615 m.

KAMX 234C0 Data from BLH-19980225KD

30-19-23 N.
97-47-58 W.

ERP = 100 kW
RCAMSL = 615 m.

Since both stations use the same antenna, interference is analyzed only for the lower power station, KKMJ.

Distance to the proposed translator site = 11.77 km.

Azimuth: KKMJ to Proposed site = 131°

Average Elevation on the KKMJ 131° radial = 152 m.

HAAT on the KKMJ 131° radial = (615 m.) – (152 m.) = 463 m.

KKMJ FS at proposed translator site = 97.7 dbu

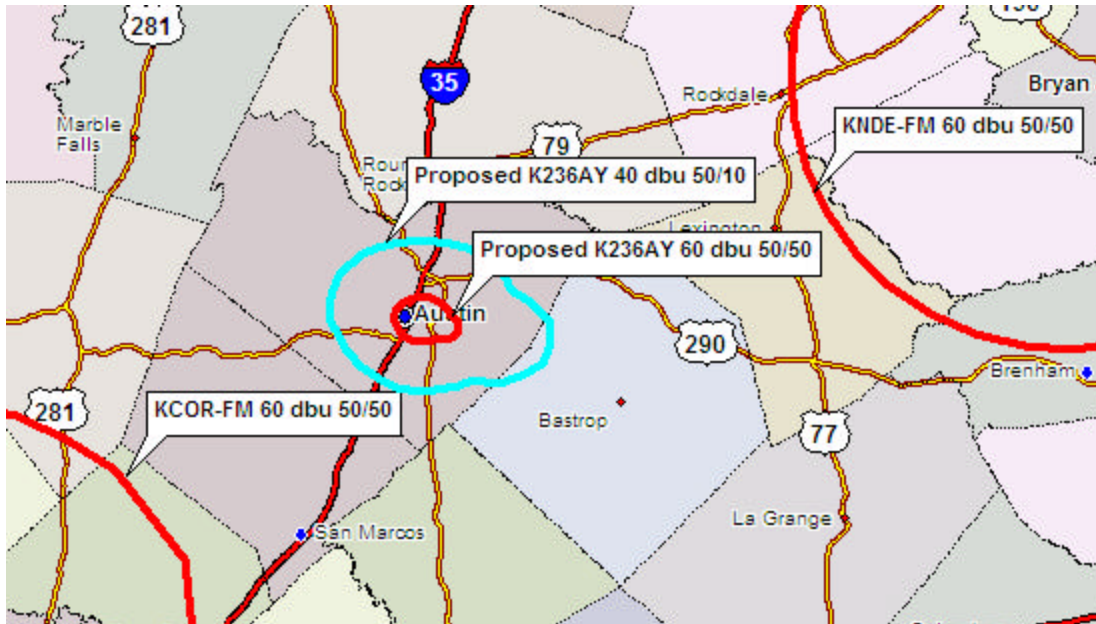
Translator Interfering Contour = 137.7 dbu 50/10

Distance to the 137.7 dbu Interfering Contour = 9 m.

With the antenna mounted at 45 m. AGL, the Interfering Contour will not reach ground level.

Contour overlap issues other than KKMJ and KAMX.

There is no overlap of the proposed K236AY 40 dbu 50/10 interfering contour with the KCOR 60 dbu 50/50 contour, or the KNDE 60 dbu 50/50 contour.



This proposal is within 15 km of Station KFMK 290C2, Round Rock, TX. Since an ERP of less than 100 watts is proposed, IF separation requirements do not apply.

This proposal is a minor change

