

## Technical Exhibit

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

### Interference analysis

KKMJ and KAMX use a common antenna

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KKMJ 238C1 Data from BLH-19980717KH

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

ERP = 50 kW  
RCAMSL = 615 m.

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KAMX 234C0 Data from BLH-19980225KD

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

ERP = 100 kW  
RCAMSL = 615 m.

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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

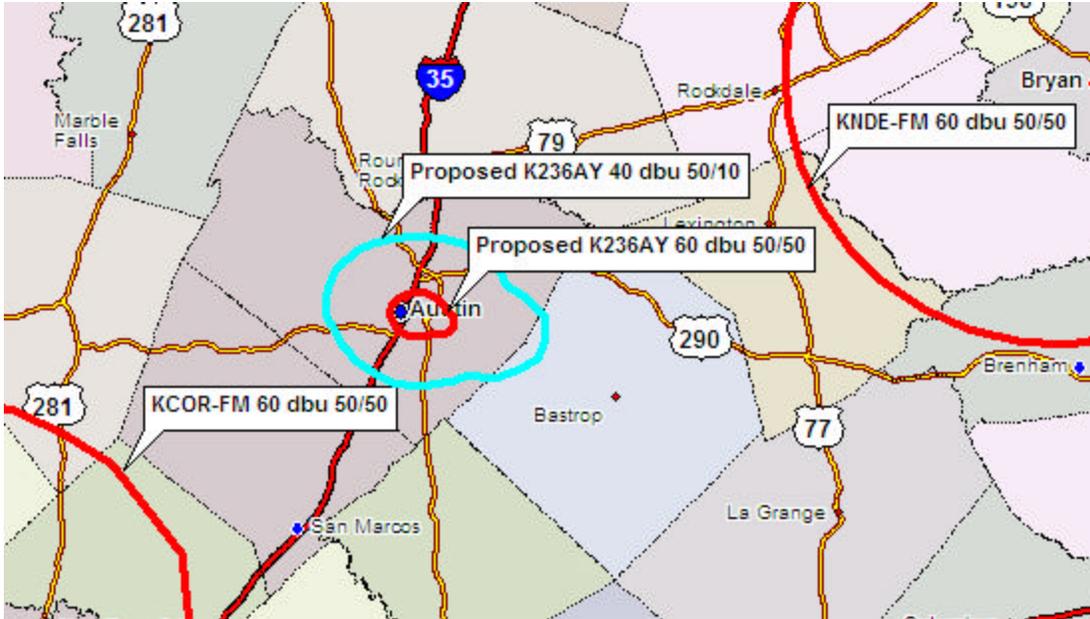
Translator Interfering Contour = 137.7 dbu 50/10

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**

