



2nd / 3rd Adj Channel
Overlap
U/D = +40 dB

In: is kilometers of overlap "received" by translator app

(the translator app is allowed to receive interference)

Out: is kilometers of overlap "**caused**" by translator app

(the translator app is not allowed to cause overlap to co-channel or 1st adjacent stations)

ASSUMED ERP = 75 WATTS

The only facilities which receive paper interference
are 2nd & 3rd adjacent channel operations of
KTXS & KFMK.

Near the proposed translator site, the contour of KTXS Lic is 62.5 dBu.

This translates into an interference contour of 102.5 dBu
which extends 0.456 km or 1,495 feet.

As will be shown, use of a 3 bay 0.9 lambda spaced antenna
avoids interference within 30 feet of the ground.

FIGURE 1

FM Translator Contour Overlap Analysis - Ch. 287

CP Mod to Lower Antenna Height to 410' AGL



K287AY - 75 Watts
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