

## Engineering Exhibit

This is a minor change application. The proposed and present 60 dBuV/m contours overlap a substantial amount.

### Section 74.1204 Compliance.

The transmit site for translator station K277AG as proposed in this application is located within the protected 60 dBu contour of second adjacent channel station KVST, channel 279C3, Willis, Texas. The predicted F(50:50) field strength contour of KVST at the proposed translator site is 81.7 dBuV/m, as demonstrated on Figure 1. Applying the 40 dBu undesired-desired ratio applicable to second adjacent channel stations, as endorsed by the Commission in *Living Way Ministries, Inc.*, the respective predicted interfering contour from K277AG is 121.7 dBuV/m. A signal of this strength will not extend as far as 54 meters – which is the height above ground the K277AG antenna will be mounted at. Thus, the translator's interfering contour will not reach the ground or any populated area. Processing of this application pursuant to Section 74.1204(d) is requested as no populated area will be affected.

An application for a proposed translator exists for facility 145234. As this is not an “authorized” station as defined in Section 74.1204, this proposal need not protect such application. Further, this proposed modification will reduce any overlap with the proposed 145234 facility.

ComStudy 2.2 search of channel 277 (103.3 MHz Class D) at 30-05-42.0 N, 94-07-57.0 W.

Callsign	State	City	Freq	Channel	ERP_w	Class	Status	Dist_km	Sep	Clr
K277AG	TX	BEAUMONT	103.3	277	250	D	LIC	1.76	0	-32.92 dB
KVST	TX	LA PORTE	103.7	279	100000	C	APP	40.52	0	-22.31 dB
KVST	TX	LA PORTE	103.7	279	100000	C	CP	40.7	0	-22.12 dB
NEW	TX	DEVERS	103.3	277	250	D	APP	46.85	0	-8.81 dB
KBIU	LA	LAKE CHARLES	103.3	277	50000	C2	CP	77.78	0	2.04 dB
KBIU	LA	LAKE CHARLES	103.7	279	100000	C1	LIC	77.75	0	7.96 dB

Figure 01 -

