

New LPFM Application
Channel 296-LP100 Princeton TX
Technical Exhibit

Site Information:

Tower Structure Location: Registration Number: 1241717
Structure Coordinates: 33-9-5.6 N 96-33-35.6 W (NAD 83)
Ground Elevation: 171.6 m Overall Structure Height: 59.4 m
Antenna: Circular Antenna Height: 41 m.

The Proposed location meets all distance separation requirements with respect to co-channel first and second adjacent facilities. The attached map visualizes this chart:

CALL	CITY	ST CHN CL	DIST	SEP	BRNG	CLEARANCE
KZZA	MUENSTER	TX 294 C	91.83	93.00	290.5	-1.2
	** No Actual Overlap - Explanation in Exhibit **					
KMVK	FORT WORTH	TX 298 C1	73.41	73.00	211.0	0.4
KRVA-FM	CAMPBELL	TX 296 A	70.06	67.00	90.8	3.1
KMVK	FORT WORTH	TX 298 C1	77.13	73.00	209.0	4.1
KYEB-LP	GARLAND	TX 296 LP100	30.21	24.00	203.2	6.2
K295BF	ROYSE CITY	TX 295 D	28.71	21.00	135.0	7.7
KQDR	SAVOY	TX 297 A	63.50	56.00	13.2	7.5
K295BF	ROYSE CITY	TX 295 D	28.71	21.00	135.0	7.7
KRVA-FM	CAMPBELL	TX 296 A	76.30	67.00	92.0	9.3
K295DA	DALLAS	TX 295 D	44.33	21.00	201.2	23.3
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KESS	BENBROOK	TX 296 C1	134.53	111.00	242.5	23.5
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KBPM-LP	MESQUITE	TX 296 LP100	49.50	24.00	179.1	25.5

The short spacing to Second Adjacent Station KZZA(FM) by 1.2km would require an adjacent channel showing for compliance. However, plotting the actual 60dBu contour of KZZA(FM) depicted on the attached map demonstrates that there is no real-world overlap between KZZA(FM) and the proposed facility herein. Thus, there is no waiver needed for operation of the proposed facility.

Allocation Distance and Second Adjacent Signal Compliance Map

