

WES Broadcast Consultants, Inc.
Engineering Statement in support
of a request to operate at reduced coverage
KVAW Ch 18 Eagle Pass, TX

Engineering Statement

1. General

The purpose of this engineering statement is to support an Amendment to a Minor Change for KVAW Ch 18 Eagle Pass, TX which specifies a new PSI Slot Antenna and reduction in coverage area.

2. Engineering

A. Proposed Site:

KVAW Channel 18 will operate with 50kW ERP at the Horizon on an omnioid, horizontally polarized Antenna with the main lobe oriented at 90 degrees .5 degrees electronic tilt as shown in Exhibit ANT -1 at the following NAD83 coordinates:

N Latitude 28-43-33.0

W Longitude 100-28-36.0

The facility will operate with the following elevation parameters:

AGL 72m

GAMSL 248m

RCAMSL 320m

The ASR for this site is 1218752

C. No Interference:

This Minor Change Amendment creates no new interference. KVAW has a TVStudy report attached showing no Interference created by this proposal.

3. Analysis

A. Population loss:

The attached Exhibit shows a population loss comparing Station's current authorization (BLCDDT-20061115ABD), with the proposed reduction in service. The loss area is defined as the area between the red and black 41dbu service contours. The red contour represents the current license(BLCDDT-20061115ABD),

and black contour represents the proposed reduction in service area. According to the latest information from TVStudy, the population is 21,509 persons, in the loss area.

The 2010 census data for the loss area includes Brackettville, TX 1,688 , FT. Clark Springs, TX 1,228, Crystal City, TX 7,138, Carrizo Springs, TX 5,366, La Pryor, TX 1,643, for a total of 17,063 persons verified.

B. Contour overlap:

There is only one station that overlaps KVAWS service contour. KYVV TV Ch 28, i Del Rio, TX , marked with a green service contour, on the map, is the only overlapping station to KVAW in the US. The population in the overlap area is 17,394 persons which includes a portion of the city of Eagle Pass, TX, The Overlap includes Brackettville, TX which reduces the service loss by 1,688 persons.