

Engineering Exhibit - KYNM-LP Antenna System

FCC File Number: BPTTA20020110AAL

Location: Albuquerque, NM

Applicant: Belmax Broadcasting LLC

KYNM-LP's antenna consists of two sets of Scala Kathrein UHF K72314 panels. There is a stack of four panels aimed at 210° True. These panels have 7° of mechanical tilt towards 210°. There is no electrical downtilt for this stack of panels. This set of panels places 126.9 kW ERP over the City of Albuquerque. The second part of the array consists of a single Kathrein UHF K72314 panel orientated to 30° True. There are no mechanical or electrical downtilts for this panel antenna. This provides some signal towards Sante Fe, NM.

The filed pattern has been computer generated to take in to account the two sets of antenna panels, their differing vertical beam widths, and the computation of the radio horizon.