

WGOX-LD

FI 130457

Minor Modification of Construction Permit

SECTION III

No change in items 1-5.

Technical changes requested:

Due to mechanical/electrical interference between the tower guy wires and the designated antenna at the currently specified height above ground; And,

In order to keep the new antenna (which, at the same 12 bays as previous is longer due to the lower frequency) within the on-tower length allocation of the pre-repack tower space; as well as, to hold the CR height above ground as close as possible to the original c.p., and immediately above the conflicting tower guy point; Request:

Reduce antenna from 12 Bays to 8 Bays.
Change CR above ground from 96 M to 103.2 M
Specify standard 1 degree beam tilt.
Keep pattern same as previously approved.
Keep ERP at 15 kW as previously approved.

Due to the step increase in transmitter power class required, a portion of the newly excess power capability is proposed to be applied to elliptical polarization in a 70/30 split.

The original antenna designation: PSILP-12EAC-36
Requested new antenna designation: PSILP-8 EAC-36-EP