

Engineering Statement
The RAFTT Corporation
KYRO (AM), 1280 kHz
Seeks: Make minor changes in Facilities
Amendment To:
BP-20100205ABZ

This engineering statement was prepared in support of an application (BP-20100205ABZ) by The RAFTT Corporation, ("RAFTT"), licensee of AM station KYRO, 1280 kHz, .50 kW, ND-D, Potosi, Missouri, On April 10, 2010, FCC staff issued a letter of deficiency citing three deficiencies in the above cited application. This engineering statement and the attached comprehensive data attachments are intended to respond to the staff's letter and cure the deficiencies found in the application. The deficiencies are addressed in the order they were noted in the staff's letter.

1. The deficiency letter stated that field strength readings along radials bearing 25°, 45°, 65° and 85° True submitted on station KDKD (AM), 1280 kHz, 1.0 kW, ND-D, Clinton, MO, were presented with insufficient close in readings to be acceptable. In response, the licensee conducted additional readings along all four of the above cited radials sufficient that all the radials are now comply with Section 73.186 of the rules in that there are at least seven readings within a distance of 3.2 km from the antenna. The radial data previously submitted is replaced with and superceded with the data contained in this amendment.

2. The application is amended to specify attachment of a folded unipole antenna to the current KFNS-FM support tower at Troy, Missouri (note: the staff letter incorrectly cited the proposed folded unipole as being attached to the KDKD tower) for use by KYRO making use of the entire tower whiles attaching the proposed folded unipole at 58.5 meters on the 118.9 meter tower (overall height). The applicant proposes to install a shunt ring on the folded unipole antenna at the 50 ohm point of the folded unipole. The use of the entire support tower for this purpose changes the efficiency of the proposed antenna to 379.18 mV/m/km. With this more efficient antenna, the applicant has changed the proposed daytime power to 660 watts, ND (308.05 mV/m) in order to meet minimum protection requirements to existing facilities. The contours resulting from this amended antenna are essentially the same as those previously proposed. Appropriate site exhibit amendments are attached.

3. The applicant has amended Question 18 of Section III of the form 301 to indicate "YES" to certify that the proposed facility is excluded from environmental processing under 47. C.F.R. Section 1.1306 of the rules.

4. The deficiency also states that, as proposed in its June, 2010 amendment, the proposed KYRO night operation would increase NIF of co-channel station WWBF (AM) at Minneapolis, Minnesota. The KYRO application has been amended to specify a night operating power of 45 watts which provides protection to WWBF as Section 73.182 of the rules.

With regard to all the above, all effected questions in Section III of the Form 301 have been electronically amended. The applicant believes it has appropriately addressed each of the deficiencies note in the staff letter of June 10th and requests prompt action on the application.

Respectfully submitted,

Bob Morrow (electronically signed)

Bob Morrow, Technical Consultant
