



Antennas • Filters

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April 30, 2013

Mr. Erik Swanson, P.E.
Hatfield & Dawson
On behalf of: Mr. Lyle Dodge
K233CJ
PO Box 712
College Place, WA 99324

**Ref: K233CJ, College Place, WA
BNPFT-20130312ACS**

Attn: Mr. Erik Swanson, P.E.

Thank you for your brief describing the proposed installation of a FM transmitting antenna on the same structure as an existing directional FM antenna array for translator station K295AV.

It is my observation that the vertical separation you have proposed should be more than sufficient to prevent any significant distortion to the existing directional radiation pattern. I believe that the tower legs should shadow the effect of the proposed antenna feeding.

This opinion carries no performance guarantee and is based solely on the data provided by K233CJ and Hatfield & Dawson and the practical experience of our sales engineers. It is by no means a comprehensive analysis and Kathrein Inc., Scala Division recommends K233CJ to engage the services of a qualified communications consulting firm for a definitive evaluation. The furnished data has not been verified by Kathrein Scala Division for completeness or accuracy.

If you need further assistance, please do not hesitate to contact me.

Best regards,

Michael Wm. Bach, Sales Engineer
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