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Antennas • Filters

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June 19, 2009

Mr. Eric Swanson PE
Hatfield & Dawson, for
QueenB Radio, Inc.
500 West Boone Ave
Spokane, WA 99201

Reference: KXLY Spokane, Washington
BXPH-20061221ABW

KEZE Spokane, Washington
BXPH-20061221ABG

KZZU Spokane, Washington
BXPH-20061221ABN

KHTQ Spokane, Washington
BXPH-20061221ABE

Dear Mr. Swanson,

Thank you for your technical brief describing the proposed co-location of the existing translator station K262AG antenna with auxiliary stations KXLY, KEZE, KZZU & KXPH antenna array.

Even though these two groups of antennas are located on the same structure (steel water tank with diameter of approximately 31.5 ft.) the antenna systems are on opposite sides of the tank and at different elevations.

I conclude that there is sufficient horizontal and vertical separation between the antenna systems to prevent any significant effect to the directional radiation characteristics of translator station K262AG. Also the feed line (coax) of the combined antenna system should be sufficiently out of the field of the translator's directional pattern to not cause any effect.

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

If we may be of further assistance, please do not hesitate to contact us.

Best regards,

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