



Antennas • Filters

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Mr. Robert R. Branch Jr.
Technical Consultant
Liberty University, Inc.
1971 University Avenue
Lynchburg, VA 24502

**Ref: BPFT-20080321AAH
W242GB Winchester, Virginia**

Dear Mr. Branch,

Thank you for the technical brief, tower drawing and site photograph describing the proposed installation of a translator antenna for station K242BG on the same tower with the existing directional antenna array for translator station W233AA.

The vertical spacing of 9 meters should be more than sufficient to prevent any significant effect to the directional characteristic of the existing antenna array. Also, the addition of your coax cable feed line with the existing large cable bundle on the tower should not cause any noticeable and/or measurable change to the directional characteristics of the existing antenna array.

This opinion carries no performance guarantee and is based solely on the data provided by Liberty University and the practical experience of our sales engineers. It is by no means a comprehensive analysis and Kathrein-Scala recommends Liberty University 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,

Michael Wm. Bach, Sales Engineer
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