

Minimum Frequency Bias Setting

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Problem Statement:

Develop a test to determine if a BA using a Variable Frequency Bias Setting on a multiple BA interconnection provided its share of the Interconnection Frequency Bias Setting.

Recommended Solution:

Use a common test for BAs using both a Fixed Frequency Bias Setting and a Variable Frequency Bias Setting. This test should recognize the general nature of Variable Frequency Bias Settings in that they generally increase as frequency deviation increases at any point in time. The following test will provide a valid comparison for determining if a Variable Frequency Bias Setting method meets the interconnection Minimum Frequency Bias Setting.

If the same test is applied to the Frequency Bias Setting of a BA using a Fixed Frequency Bias Setting, the result is as follows.

Therefore, the same test can be used to evaluate both Fixed and Variable Frequency Bias Settings. Both methods are held to the same standard.