



ASC-C63[®] Interpretation Request Form

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This form shall be used for submission of Interpretation Requests related to ANSI-IEEE standards that are within the responsibility of ASC-C63[®]. The eight parts of the form must be filled out completely, with the exception of the Subcommittee Response, to ensure expedient processing. This completed form is to be submitted to the [Secretary of ANSI-ASC-C63[®]](#) via e-mail.

Submission Date	Originator Name, Company
06/18/2021	James Wooten, TDK RF Solutions

Standard	Clause/ Sub clause	Paragraph Figure/ Table	Type (General/ Technical/ Editorial)	Comment / Inquiry	Subcommittee Response <i>(to be filled in by Subcommittee Chair)</i>
ANSI C63.5:2017	Annex I	I.2	Technical	If performing calibrations to a biconical antenna that does not meet the size requirements of Annex G, how do you obtain GSCF for 2m Horizontal. By calibrating to Clause 5.1.2, I obtain NFS antenna factors, but there is not a method to transform those antenna factors to Free Space or provide any additional GSCF's. Using equation I.1 would not provide any correction for the biconical antenna at 2m Horizontal.	<p>The first two paragraphs of Annex I.1, define the scope to include “The methods of this annex may be used to measure a broadband antenna, or to confirm the data in Annex G for use in site validation measurements. For example, calculated GSCFs are not available for LPDA antennas, hybrid antennas, and some types of biconicals; therefore the methods of this annex are applicable for those antennas.” Additionally found in I.1, “It is emphasized that the tables of correction factors for biconical dipole antennas provided in Annex G shall be used, unless the specific biconical dipole antenna being used does not meet the dimension criteria of Figure G.1, or varies otherwise from the modeled biconical dipoles of Annex G.”</p> <p>The value of the GSCF at a 2 m height, horizontal polarization, at a 10 m distance (NFS as found in 5.1.2), is defined as 0 for all antennas.</p> <p>Regarding correction to free space for antennas that are non-conforming to Figure G.1, there is no provided correction to free space.</p>