



ANSI-ASC-C63[®] Interpretation Request Form

This form shall be used for submission of Interpretation Requests related to ANSI-IEEE standards that are within the responsibility of ANSI-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
5/4/2016	Werner Schaefer, Schaefer Associates

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 C63.4 2014	5.4.1 & 5.4.2		Te	<p>In clause 4.5.1 of ANSI C63.4-2014 it is stated: <i>“A standard test site shall comply with the NSA requirements of 5.4.4.”</i> Similarly, clause 5.4.2 states: <i>“All such alternative sites shall comply with the volumetric NSA requirements of D.3 over the volume occupied by the EUT or the EUT arrangement in order to be acceptable as an alternative test site.”</i></p> <p>These statements indicate that the Reference Site Method (RSM), as defined in CISPR 16-1-4 (2010) clause 5.4.2.3.2 cannot be used to validate a test site in the frequency range 30 MHz to 1 GHz.</p> <p>However, per referenced antenna calibration standard ANSI C63.5-2006, which is mandatory to be used, a Geometry Specific Correction Factor (GSCF) is to be applied</p>	<p>The Reference Site Method (RSM) validation procedures, as described in CISPR 16-1-4(2010) , cannot be used as an alternative to the NSA validation procedures in C63.4:2014 Annex D over the frequency range 30 MHz to 1000 MHz.</p> <p>The reason for this is that ANSI C63.4-2014 does not explicitly allow the use of the CISPR 16-1-4(2010) Reference Site Method as an acceptable means of validation of test sites in the frequency range 30 MHz to 1000 MHz. In contrast, the NSA validation procedures are explicitly required to be used, as stated in in Annex D (Normative) of ANSI C63.4-2014.</p>

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				<p>when calculating the NSA of a test site. This requirement is in existence today.</p> <p>Through the mandatory use of GSCF to determine NSA equivalency to a site comparison method (i.e., RSM) is achieved. This will also be documented in an informative Annex I to the next revision of ANSI C63.5 (to date in ballot comment resolution phase).</p> <p>Therefore the question: Is it permissible today, in light of the given wording in clauses 5.4.1 and 5.4.2 of ANSI C63.4-2014, to validate a test site using RSM instead of using the NSA approach?</p>	