



ANSI-ASC-C63[®] Interpretation

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Submission Date	Originator Name, Company
22 December, 2017	David Schaefer, TÜV SÜD America Inc

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)	5.5.1		Technical	<p>If SVSWR has been performed at 3 or 10 meters and an alternative measurement distance is used (e.g. 1 or 5 meters) is SVSWR required at that distance?</p> <p>Per 8.2.4, the measurement antenna is allowed to be moved over the four sides of an EUT that is larger than the beamwidth of the antenna. Does SVSWR have to be performed in multiple antenna positions to address measurement of large EUTs? For example, if SVSWR has been done for a 2 meter quiet zone, would it have to be done at antenna positions on each side of the original position to address EUTs of 4 meter width?</p> <p>If a 10 meter measurement distance is used above 1 GHz, what are the recommended ways to address sensitivity and dynamic range?</p>	<p>Due to different reflection patterns at different measurement distances SVSWR needs to be measured and meet the requirements at any product measurement distance and / or location. Products are not to be measured at a distance other than that those distances the site has been qualified for.</p> <p>If the antenna is moved outside the location that SVSWR was originally characterized as permitted by paragraph 1 of Clause 8.2.4 then additional SVSWR measurements would need to be met at each of the receive antenna locations.</p> <p>ANSI-ASC-C63 does not provide guidance on the methods required to maintain adequate system sensitivity and dynamic range. We are therefore unable to address this part of your Interpretation Request. You may wish to consult with various test equipment manufacturers to discuss your specific needs.</p>