



What is new?	C63.25.1-20' Emission Te Status: Active - App	18 - American National Standard st Sites, 1 GHz to 18 GHz ^{proved}	I Validation	n Met	hods	s for l	Radia	ated		
 C63.25.1-2018 is an active standard, 			e	₹	R	\mathbf{M}	©	₫	Ļ	
	Abstract	Abstract: This standard specifies methods for the validation of test sites used for radiated emission measurements in the frequency range of 1 GHz to 18 GHz. Purpose: The ourpose of this standard is to describe validation methods of test sites used for radiated emissions							ts in	
which can be	Keywords									
obtained from IEEE	Versions									
 Xplore FCC has tentatively proposed rulemaking to adopt C63.25.1 on Jan. 6, 2022. 		measurements in the 1 GHz to 18 GHz frequency range as required by ASC C63® standards. The validation requirements described in this document are applicable to fully anechoic rooms (FAR) an area test sites (OATS) as well as semi-anechoic chambers (SAC) that are configured with absorber ground plane. NOTE—Site validation methods for frequencies above 18 GHz are outside the scope standard. Concerning site validation for 18 GHz to 40 GHz, the following text from 5.5.1 of ANSI C63.4-2014 [GH2] gives an example provision from other ASC C63® standards: "There are no test i validation requirements applicable to the frequency range of 18 GHz to 40 GHz. A test site that sati the requirements stated in this subclause from 1 GHz to 18 GHz is deemed to be suitable for use or frequency range of 18 GHz to 40 GHz."						The site) and op ober on the ope of the est site satisfies e over t	ien ihe iis he	
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Why would one consider using the TD SVSWR?

- FCC has officially proposed to incorporate C63.25.1. Official NPRM is to be published soon, which will trigger a 30 day comment period.
- TD method produces equivalent SVSWR results not identical!
- Better repeatability. Results are much more immune to small variations in antenna positioning or frequency shift.
- Much faster instantaneous results
- Bounded and predictable measurement uncertainties, and more mathematically rigorous.
- Less uncertainties without the need to move antenna, or to upset the cable positions between measurements
- Provide clues to debug a failed chamber

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