ANSC-C63[®] Interpretation Request Form

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Submission Date	Originator Name, Company
07/26/2021	David Waitt, 17025 Assessor

Standard	Clause/	Paragraph Figure/	Type	Comment / Inquiry	Subcommittee Response
	Sub clause	Figure/	(General/	• •	(to be filled in by Subcommittee Chair)
		Table	Technical/		
			Editorial)		

Standard	Clause/	Paragraph	Type	Comment / Inquiry	Subcommittee Response
	Sub clause	Figure/ Table	(General/ Technical/ Editorial)		(to be filled in by Subcommittee Chair)
ANSI C63.4 (2014)	8.3.2.2 Final radiated emission measurements (1 GHz to 40 GHz)	8.3.2.2 Final radiated emission measurements (1 GHz to 40 GHz)	Technical	"8.3.2.2 Final radiated emission measurements (1 GHz to 40 GHz) For measurements above1 GHz, use the cable, EUT arrangement, and mode of operation determined in the exploratory testing to produce the emission that has the highest amplitude relative to the limit. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response" My request for clarification is in regards to the clause above. Specifically, "Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance" After having determined the area of the EUT to be the source of the highest emissions, and the corresponding turntable position, does the above clause require the antenna to be re-positioned at the measurement distance ('d') from the highest emissions point of the EUT?	Within ANSI C63.4:2014 there is no clear methodology or specified requirements for determining what the "area of the EUT" means as the source of emissions. At a particular frequency of emission, the source may be from a single location, multiple locations, along a bundled cable or from the entire EUT. Therefore, it is not clear what the "area of the EUT" means, so it is difficult to specify "how to place the antenna at the measurement distance away from that area". For these reasons it is also acceptable to treat the entire EUT setup as the source of emissions and to test with the antenna placed at the specified distance from the periphery of the EUT. During work on the next edition of ANSI C63.4, the committee will review this issue and may better define the arrangement of radiated emission measurements above 1 GHz. NOTE This response does not cover any interpretation of the diagrams provided as they are unclear.