

Accredited Standards Committee C63 - Electromagnetic Compatibility

Accredited by the American National Standards Institute, Inc.
Secretariat: Institute of Electrical and Electronics Engineers, Inc.

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PINS-C FORM¹

(Project Initiation Notification System-Committee Level)

Determination of test methods for massive MIMO where test sites are not large enough to test based on minimum distance

Massive MIMO test distance study
Dave Case

[C63(R) Approval Date] 6/22/20

[Project Completion Date] 6/22/22 (est.)

INTRODUCTION

This task group will study how to address measurements when the required separation distance is larger than available due to the minimum wavelength determined based on the antenna design.

PROJECT STUDY ITEMS

To determine how to address the near / far field separation distance for determining compliance for systems using beam forming Massive MiMo antennas with mmW systems when that distance is larger than available test distance available. The issue is due to the minimum wavelength determined based on the antenna beam forming design and impact on near / far field effects. The output of this study will be used to supplement the information that is currently in the C 63.26 standard.

¹PINS-C (PINS-Committee) is a PINS for committee use only as it is not brought to ANSI for public review. PINS-C is used to open study questions as to what might be needed in the future which when decided would be formalized with a PINS. Hence the use of a PINS-C which is approved by the Main Committee is a preliminary step on the way to having a PINS which is used for the formal standards process.

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KEYWORDS	
Separation Distance	
PROJECT INTENT	
<input type="checkbox"/> New	<input type="checkbox"/> Revise [Standard Number]
<input type="checkbox"/> Reaffirm [Standard Number]	<input type="checkbox"/> Withdraw [Standard Number]
<input type="checkbox"/> Adopt [Standard Number]	<input type="checkbox"/> Discontinue [Standard Number]
<input checked="" type="checkbox"/> Study for possible impact on existing standards	C63.26
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