


Preparing Authority: Megan McConnell	 P103c - Annex-Policy on Estimating Measurement Uncertainty for Electromagnetic Testing Laboratories	Publication Date: 04/01/24
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A2LA has compiled information regarding the classification of common test methods and test types according to [P103 – Policy on Estimating Measurement Uncertainty for Testing Laboratories](#). The following list has been reviewed by the A2LA Electromagnetic Advisory Committee (EMAC) and is organized by test area. The A2LA EMAC has determined that the below indicated tests require measurement uncertainty determination. In cases where a test method calls out the requirement to calculate measurement uncertainty or any other requirement related to measurement uncertainty (e.g., reporting or application of uncertainty); such requirements have to be implemented by the CAB, even in cases where the standard is *not listed* in this document.

Electromagnetic Compatibility (EMC) & Telecom

<u>Test Method</u>	<u>Standard(s)</u>	<u>MU Category</u>
Emissions	CISPR 11 (Edition 4.2 or later)	V
	CISPR 14-1	V
	CISPR 15	V
	CISPR 17	V
	CISPR 22 (Edition 5.2 or later)	V
	CISPR 32	V
	ANSI C63.4-2014	V
	ANSI C63.10-2013	V
	ANSI C63.10-2020	V
	ANSI C63.19-2019	V
	ANSI C63.26-2015	V
	ANSI C63.30-2021	V
	EN 50366	V
	61000-3-3 (All economies and equivalents)	V

ETSI-based Radio Tests

<u>Test Type</u>	<u>Standard(s)</u>	<u>MU Category</u>
Radio	All ETSI Radio Standards	V

Bluetooth RF Tests

<u>Test Type</u>	<u>MU Category</u>
RF Test Specification	V
RF Provisional Test Specifications	V

Wireless Testing

<u>Test Type</u>	<u>Technology</u>	<u>MU Category</u>
RF	2G, 3G/UMTS, 4G/LTE, and RRM (per 3GPP TS 34.521-3)	V
Near Field Communication (NFC)	NFC Forum Analog Technical Specification	V
5G	All 5G Testing	V

Performance Testing

<u>Test Type</u>	<u>Technology</u>	<u>MU Category</u>
Over the Air	CTIA Test Plan for Wireless Devices Over-the-Air Performance	V
WiFi	Test Plan for RF Performance Evaluation of Wi-Fi Mobile Converged Devices	V
MIMO	Test Plan for 2x2 Downlink MIMO and Transmit Diversity Over-the-Air Performance	V
HAC	Test Plan for Hearing Aid Compatibility	V

Specific Absorption Rate - SAR Testing & RF Exposure

<u>Standards</u>	<u>MU Category</u>
All SAR Methods	V

Lighting Testing

<u>Test Method</u>	<u>Standard(s)</u>	<u>MU Category</u>
IES Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products	IES LM-79	V
IES Approved Method: Measuring Lumen Maintenance of LED Light Sources	IES LM-80	V

DOCUMENT REVISION HISTORY

Date	Description
03/09/23	<ul style="list-style-type: none">➤ Added ANSI C63.30-2021 under Radiated and Conducted Emissions➤ Removed version numbers from the Bluetooth specifications
04/01/24	<ul style="list-style-type: none">➤ Removed list of covered test areas from introduction➤ Renamed “Radiated and Conducted Emissions” to “Emissions”➤ Added 61000-3-3 to Emissions as CAT V➤ Added 5G as CAT V to Wireless Testing➤ Removed all individual SAR standards under SAR and replaced with “All SAR Methods”➤ Removed revision status from Lighting Standards