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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. This list will be updated periodically as more information is made available. Test areas currently covered include:

Electromagnetic Compatibility (EMC) & Telecom

ETSI-based Radio Tests

Bluetooth RF Tests

Wireless Testing

Performance Testing

Specific Absorption Rate - SAR Testing & RF Exposure

Product Safety Testing


Lighting Testing

Electromagnetic Compatibility (EMC) & Telecom

Test Method	Standard(s)	MU Category
Radiated Emissions and Conducted Emissions	CISPR 22 (Edition 5.2 or later)	V
	CISPR 11 (Edition 4.2 or later)	V
	CISPR 32	V
	CISPR 14-1	V
	CISPR 15	V
	CISPR 17	V

ETSI-based Radio Tests

Test Type	Standard(s)	MU Category
Radio	All ETSI 300 and 301 series	V

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Bluetooth RF Tests

Test Type	MU Category
RF Test Specification, February 1, 2003	V
RF Provisional Test Specifications, February 1, 2003	V

Wireless Testing


Test Type	Technology	MU Category
RF	2G, 3G/UMTS, 4G/LTE, and RRM (per 3GPP TS 34.521-3)	V

Performance Testing

Test Type	Technology	MU Category
Over the Air	CTIA Test Plan for Mobile Station Over the Air (OTA) Performance, version 3.2	V
WiFi	CTIA WiFi Performance Test Plan, version 1.3	V
	CTIA WiFi Performance Test Plan, version 2.0	V
WiMAX	WiMAX RPT Test Plan	V

Specific Absorption Rate - SAR Testing & RF Exposure

Standards	MU Category
IEEE 1528	V
EN 50360	V
EN 50361	V
EN 62233	V
AS/NZS 2772.1	V
Australian RF Exposure and Australian Radio Communication (Electromagnetic Radiation – Human Exposure Standards)	V

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Lighting Testing

Test Method	Standard(s)	MU Category
IES Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products	IES LM-79-08	V
IES Approved Method: Measuring Lumen Maintenance of LED Light Sources	IES LM-80-08	V

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DOCUMENT REVISION HISTORY

DATE	DESCRIPTION
07/25/2014	<ul style="list-style-type: none"> - Added CISPR 32 and CISPR 14-1 as Type V - Added ETSI 301 Series of tests as Type V - Added categories for Wireless Testing and Performance Testing - Removed CTIA stand-alone category as it is now under Performance Testing - Added SAR Testing as Type V and gave its own category - Added LM-79-08 as Type V under Lighting Testing - Removed all tests listed as Type I/II in favor of a more user friendly version of the document that only lists tests that require MU calculations
08/10/2015	<ul style="list-style-type: none"> - Added “& RF Exposure” to “Specific Absorption Rate – SAR Testing” - Added “EN 62233” as CAT V under “Specific Absorption Rate – SAR Testing & RF Exposure” - Add “CISPR 15” and “CISPR 17” as CAT V under “Electromagnetic Compatibility (EMC) and Telecom” - Added “CTIA WiFi Performance Test Plan, version 2.0” as CAT V under “Performance Testing” - Remove “Section 6.9” from “RF Test Specification February 1, 2003” and “RF Provisional Test Specifications February 1, 2003” under “Bluetooth RF Tests” - Removed “Appendix G” from “CTIA Test Plan for Mobile Station Over the Air (OTA) Performance, version 3.2” under “Performance Testing” - Removed “Clause 1.6.2” from “CTIA WiFi Performance Test Plan, version 1.3” under “Performance Testing” - Removed “Appendix B” from “WiMAX RPT Test Plan” under “Performance Testing” - Removed “IES LM-82-12” under “Lighting Testing”