

**AKKREDITOITU TESTAUSLABORATORIO***ACCREDITED TESTING LABORATORY***VERKOTAN OY****VERKOTAN LTD.**

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**Testausalat**  
*Fields of testing*

**Materiaali- ja tuotetestaus**  
*Material and product testing*

<b>PÄTEVYYSALUE</b> <b>SCOPE OF ACCREDITATION</b>		
<b>Testattava materiaali / tuote</b> <i>Material / product tested</i>	<b>Testityyppi, mitta-alue</b> <i>Type of test, measured range</i>	<b>Testausmenetelmä</b> <i>Test method</i>
<b>Materiaali- ja tuotetestaus, OTA testaus</b> <i>Material and product testing, OTA testing</i>		
Langattomasti kommunikoivat laitteet <i>Wireless devices</i>	<i>Radiated RF Power and Receiver Performance</i>	<i>CTIA Test Plan for Wireless Device Over-the-Air Performance</i>
Langattomasti kommunikoivat laitteet <i>Wireless devices</i>	<i>User Equipment (UE) / Mobile Station (MS) Over-The-Air (OTA) antenna performance; Conformance testing</i>	<i>3GPP TS34.114</i>
Langattomasti kommunikoivat laitteet <i>Wireless devices</i>	<i>Measurements of User Equipment (UE) radio performances for LTE/UMTS terminals; Total Radiated Power (TRP) and Total Radiated Sensitivity (TRS) test methodology</i>	<i>3GPP TR 37.902</i>
Langattomasti kommunikoivat laitteet <i>Wireless devices</i>	<i>Measurements of radio performances for UMTS terminals in speech mode</i>	<i>3GPP TR 25.914</i>
Wi-Fi -laitteet <i>Wi-Fi Mobile Converged Devices</i>	<i>RF Performance Evaluation</i>	<i>CTIA/Wi-Fi Alliance Test Plan for RF Performance Evaluation of Wi-Fi Mobile Converged Devices</i>
<b>Materiaali- ja tuotetestaus, SAR testaus</b> <i>Material and product testing, SAR testing</i>		
Langattomasti kommunikoivat laitteet <i>Wireless devices</i>	<i>Guidelines for Limiting Exposure to Time-Varying Electric, Magnetic, and electromagnetic Fields (up to 300 GHz)</i>	<i>ICNIRP (1998)</i>
Langattomasti kommunikoivat laitteet <i>Wireless devices</i>	<i>EU Council Recommendation of 12 July 1999 in the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz)</i>	<i>1999/519/EC</i>
Langattomasti kommunikoivat laitteet <i>Wireless devices</i>	<i>IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques</i>	<i>IEEE 1528-2013</i>

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Langattomasti kommunikoivat laitteet <i>Wireless devices</i>	<i>Product standard to demonstrate compliance of radio frequency fields from handheld and body-mounted wireless communication devices used by the general public (30 MHz – 6 GHz)</i>	<i>EN 50566-2013</i>
Langattomasti kommunikoivat laitteet <i>Wireless devices</i>	<i>Product standard to demonstrate the compliance of mobile phones with the basic restrictions related to human exposure to electromagnetic fields (300 MHz – 3 GHz)</i>	<i>EN 50360 (2001) + A1 (2012)</i>
Langattomasti kommunikoivat laitteet <i>Wireless devices</i>	<i>Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Human models, instrumentation, and procedures - Part 1: Procedure to determine the specific absorption rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300MHz to 3 GHz)</i>	<i>IEC 62209-1 (2005) EN 62209-1 (2006) YD/T 1644.1</i>
Langattomasti kommunikoivat laitteet <i>Wireless devices</i>	<i>Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Human models, instrumentation, and procedures - Part 2: Procedure to determine the specific absorption rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 300 MHz to 6 GHz)</i>	<i>IEC 62209-2 (2010) EN 62209-2 (2010)</i>
Langattomasti kommunikoivat laitteet <i>Wireless devices</i>	<i>Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)</i>	<i>IEC/EN 62479 (2010)</i>

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Langattomasti kommunikoivat laitteet <i>Wireless devices</i>	<i>IEEE Recommended Practice for Measurements and Computations of Radio Frequency Electromagnetic Fields With Respect to Human Exposure to Such Fields, 100 kHz–300 GHz</i>	<i>ANSI/IEEE C95.1–2005</i>
Langattomasti kommunikoivat laitteet <i>Wireless devices</i>	<i>IEEE Recommended Practice for Measurements and Computations of Radio Frequency Electromagnetic Fields With Respect to Human Exposure to Such Fields, 100 kHz–300 GHz</i>	<i>ANSI/IEEE C95.3-2002</i>
Langattomasti kommunikoivat laitteet <i>Wireless devices</i>	<i>Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz)</i>	<i>IEC 62311 (2007) EN 62311 (2008)</i>
Langattomasti kommunikoivat laitteet <i>Wireless devices</i>	<i>Evaluation Procedure for Mobile and Portable Radio Transmitters with Respect to Health Canada's Safety Code 6 for Exposure of Humans to Radio Frequency Fields</i>	<i>RSS-102, Issue 5</i>
Langattomasti kommunikoivat laitteet <i>Wireless devices</i>	<i>Radio Communications (Electromagnetic Radiation – Human Exposure) Standard 2014</i>	<i>Australian Communications and Media Authority (ACMA) (2014)</i>
Langattomasti kommunikoivat laitteet <i>Wireless devices</i>	<i>Radiofrequency Radiation Exposure Evaluation: Portable Devices</i>	<i>47CFR §2.1093</i>
Langattomasti kommunikoivat laitteet <i>Wireless devices</i>		<i>FCC Published RF Exposure KDB Procedures</i>
Langattomasti kommunikoivat laitteet <i>Wireless devices</i>	<i>Specific Absorption Rate (SAR) Estimation for Cellular Phone</i>	<i>ARIB STD-T56</i>