


ZAKRES AKREDYTACJI
LABORATORIUM BADAWCZEGO
SCOPE OF ACCREDITATION FOR TESTING LABORATORY
Nr/No. AB 529

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 AB 529	Nazwa i adres / Name and address TELE-COM Sp. z o. o. LABORATORIUM BADAWCZE ul. Jawornicka 8 60-968 Poznań
Kod identyfikacyjny / Identification code¹⁾	Dziedzina i przedmiot badań / Field of testing and item:
- G/33; G/34	- Badania dotyczące inżynierii środowiska (środowiskowe i klimatyczne) – środowisko pracy (czynniki szkodliwe – pole elektromagnetyczne), środowisko ogólne (czynniki fizyczne – pole elektromagnetyczne) / Tests concerning environmental engineering (environmental and climatic) – working environment (harmful factors – electromagnetic field), general environment (physical factors - electromagnetic field)

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¹⁾ Kod identyfikacyjny zgodnie z załącznikiem do dokumentu DAB-07 dostępnym na stronie internetowej www.pca.gov.pl / The identification code according to the Annex to document DAB-07, available at PCA website www.pca.gov.pl

KIEROWNIK DZIAŁU
AKREDYTACJI

Niniejszy dokument jest załącznikiem do Certyfikatu Akredytacji Nr AB 529 z dnia 23.10.2019 r. Cykl akredytacji od 02.09.2024 r. do 16.09.2028 r. Status akredytacji oraz aktualność zakresu akredytacji można potwierdzić na stronie internetowej PCA www.pca.gov.pl

This document is an annex to accreditation certificate No AB 529 of 23.10.2019 Accreditation cycle from 02.09.2024 to 16.09.2028 The status of accreditation and validity of the scope of accreditation can be confirmed at PCA website www.pca.gov.pl Wydanie nr / Issue No. 21, 03.07.2025

Laboratorium Badawcze (Research Laboratory)

ul. Jawornicka 8, 60-968 Poznań

Research subject/product	Type of activity/characteristics/method	Reference documents
<p>Work environment - electromagnetic fields from industrial installations and devices:</p> <ul style="list-style-type: none"> - arc welding equipment - resistance welding machines - dielectric heating equipment - induction heating equipment - industrial microwave ovens, heaters, and dryers - equipment for manufacturing and processing plastics - soldering equipment - electrical discharge machines - resistance and arc furnaces - electric generators and motors - inverters - inductive metal detectors 	<p>Electric field strength:</p> <ul style="list-style-type: none"> - in the frequency range from 5 Hz to 100 kHz Range: 1 V/m – 50 kV/m - in the frequency range from 0.1 MHz to 6 GHz Range: (0.8 – 1000) V/m <p>Direct measurement method</p> <hr/> <p>Magnetic field strength:</p> <ul style="list-style-type: none"> - in the frequency range from 0.1 MHz to 30 MHz Range: (0.01 – 16) A/m - in the frequency range from 30 MHz to 1000 MHz Range: (0.01 – 10) A/m <p>Direct measurement method</p> <hr/> <p>Magnetic induction:</p> <ul style="list-style-type: none"> - in the frequency range from 5 Hz to 500 Hz Range: 1 μT – 20 mT - in the frequency range from 500 Hz to 600 kHz Range: (30 nT – 20 mT) <p>Direct measurement method</p> <hr/> <p>Magnetic field strength:</p> <ul style="list-style-type: none"> - in the frequency range from 5 Hz to 600 kHz - in the frequency range from 0.8 GHz to 6 GHz (calculated) 	<p>PN-T-06580-3:2002 Method adapted to the regulated area IMB edition 4 of June 5, 2025</p>
<p>Work environment</p> <ul style="list-style-type: none"> - Electromagnetic fields from radio communication and anti-theft systems: - Handheld radios, cordless radios, short-range wireless terminals and devices, wearable and mobile radios (radiotelephones) - Radar systems: stationary/non-stationary fields - Devices emitting electromagnetic fields for purposes other than communication or location 	<p>Electric field strength:</p> <ul style="list-style-type: none"> - in the frequency range from 5 Hz to 100 kHz Range: 1 V/m – 50 kV/m - in the frequency range from 0.1 MHz to 6 GHz Range: (0.8 – 1000) V/m <p>Direct measurement method</p> <hr/> <p>Magnetic field strength:</p> <ul style="list-style-type: none"> - in the frequency range from 0.1 MHz to 30 MHz Range: (0.01 – 16) A/m - in the frequency range from 30 MHz to 1000 MHz Range: (0.01 – 10) A/m <p>Direct measurement method</p> <hr/> <p>Magnetic induction:</p> <ul style="list-style-type: none"> - in the frequency range from 5 Hz to 500 Hz Range: 1 μT – 20 mT - in the frequency range <hr/> <p>Magnetic field strength:</p> <ul style="list-style-type: none"> - in the frequency range from 5 Hz to 600 kHz - in the frequency range from 0.8 GHz to 6 GHz (calculated) 	<p>PN-T-06580-3:2002 Method adapted to the regulated area IMB edition 4 of June 5, 2025</p>

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Research subject/product	Type of activity/characteristics/method	Reference documents
Work environment - electromagnetic fields from devices used in medical technology: - surgical diathermy - physiotherapy diathermy	Electric field strength: - in the frequency range from 0.1 MHz to 6 GHz Range: (0.8 – 1000) V/m Direct measurement method	PN-T-06580-3:2002 Method adapted to the regulated area IMB edition 4 of June 5, 2025
	Magnetic field strength: - in the frequency range from 0.1 MHz to 30 MHz Range: (0.01 – 16) A/m - in the frequency range from 30 MHz to 1000 MHz Range: (0.01 – 10) A/m Direct measurement method	
	Magnetic induction: - in the frequency range from 5 Hz to 600 kHz Range: (30 nT - 20 mT) Direct measurement method	
	Magnetic field strength: - in the frequency range from 5 Hz to 600 kHz - in the frequency range from 0.8 GHz to 6 GHz (calculated)	
<i>Measurements of the electromagnetic field in the work environment performed for the purposes of the legally regulated area</i>		
Research subject/product	Type of activity/characteristics/method	Reference documents
Work environment - electromagnetic fields in the workspace during the use of magnetotherapy or magnetostimulation devices	Electric field strength: - in the frequency range from 5 Hz to 100 kHz Range: 1 V/m - 50 kV/m Direct measurement method	PiMOŚP nr 4(90) 2016 str. 151-180
	Magnetic field strength: - in the frequency range from 5 Hz to 100 kHz (from calculations)	
	Magnetic induction: - in the frequency range from 5 Hz to 500 Hz Range: 1 μT – 20 mT - in the frequency range from 500 Hz to 100 kHz Range: (30 nT – 20 mT) Direct measurement method	
Work environment - electromagnetic field in the work space during the use of power systems and electrical installations supplying alternating current in the energy sector	Electric field strength: - in the frequency range from 45 Hz to 55 Hz Range: (0.1 – 50) kV/m Direct measurement method	PiMOŚP nr 4(90) 2016 str. 91-150
	Magnetic field strength: - in the frequency range from 45 Hz to 55 Hz (from calculations)	
	Magnetic induction: - in the frequency range from 45 Hz to 55 Hz Range: 1 μT – 20 mT Direct measurement method	

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Research subject/product	Type of activity/characteristics/method	Reference documents
Work Environment - Electromagnetic Field in the Work Space During the Use of Transmitting Devices Radio Communication Systems	Electric field strength: - in the frequency range from 0.1 MHz to 300 MHz Range: (0.8 – 1000) V/m - in the frequency range from 0.3 GHz to 6 GHz Range: (0.8 – 1000) V/m - in the frequency range from 6 GHz to 90 GHz Range: (0.8 – 280) V/m Direct measurement method	PiMOŚP nr 2(92) 2017 str. 89-131
	Magnetic field strength: - in the frequency range from 0.3 MHz to 30 MHz Range: (0.01 – 16) A/m - in the frequency range from 30 MHz to 1000 MHz Range: (0.01 – 10) A/m Direct measurement method	
	Magnetic field strength: - in the frequency range from 0.8 GHz to 90 GHz (calculated)	

The competences of the laboratory were confirmed taking into account the applicable requirements of the Regulation of the Minister of Family, Labour and Social Policy of 29 June 2016 (consolidated text: Journal of Laws of 2018, item 331).

Research subject/product	Type of activity/characteristics/method	Reference documents
<i>Measurements of the electromagnetic field in the environment performed for the purposes of the legally</i>		
Environment – Electromagnetic fields in the vicinity of power stations and power lines	Electric field strength: - in the frequency range of 50 Hz Range: (0.1 – 50) kV/m Direct measurement method	Annex to the Regulation of the Minister of Climate of February 17, 2020 (Journal of Laws of 2022, item 2630)
	Magnetic induction: - in the frequency range of 50 Hz Range: (1 μ T – 20 mT) Direct measurement method	
	Magnetic field strength: - in the frequency range of 50 Hz (from calculations)	
Environment – Electromagnetic field in the vicinity of radiocommunication and radionavigation installations (broadband measurements)	Electric field strength: - in the frequency range from 0.1 MHz to 300 MHz Range: (0.8 – 1000) V/m - in the frequency range from 0.3 GHz to 6 GHz Range: (0.8 – 1000) V/m - in the frequency range from 6 GHz to 90 GHz Range: (0.8 – 280) V/m Direct measurement method	Annex to the Regulation of the Minister of Climate of February 17, 2020 (Journal of Laws of 2022, item 2630)
	Magnetic field strength: - in the frequency range from 100 kHz to 30 MHz Range: (0.01 – 16) A/m - in the frequency range from 30 MHz to 1 GHz Range: (0.01 – 10) A/m Direct measurement method	
	Magnetic field strength: - in the frequency range: from 10 MHz to 90 GHz (calculated)	Point 3 of the Annex to the Regulation of the Minister of Climate of February 17, 2020 (Journal of Laws of 2022, item 2630)
	Magnetic induction: - in the frequency range from 5 Hz to 600 kHz Range: (30 nT – 20 mT) Direct measurement method	Annex to the Regulation of the Minister of Climate of February 17, 2020 (Journal of Laws of 2022, item 2630)
	Magnetic field strength: - in the frequency range from 5 Hz to 600 kHz (from calculations)	
	Environment – Electromagnetic field in the vicinity of radar installations (broadband measurements)	Electric field strength: - in the frequency range from 0.1 MHz to 90 GHz Range: (0.8 – 300) V/m Direct measurement method
Magnetic field strength: - in the frequency range from 10 MHz to 90 GHz (from calculations)		Point 3 of the Annex to the Regulation of the Minister of Climate of February 17, 2020 (Journal of Laws of 2022, item 2630)

The competences of the laboratory were confirmed, taking into account the applicable provisions of the implementing acts to the Act of 27 April 2001 – Environmental Protection Law.