




Title:	RADIOCOM@GUT-RWPL	  
Responsible person:	Sławomir Jerzy Ambroziak	
Institution:	Gdańsk University of Technology (GUT)	
Short description:	The RADIOCOM@GUT-RWPL is a radio wave propagation laboratory (RWPL) of the Department of Radio Communication Systems and Networks (RADIOCOM) at Faculty of Electronics, Telecommunications and Informatics of Gdańsk University of Technology (GUT).	
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Website (if any):	https://eti.pg.edu.pl/katedra-systemow-i-sieci-radiokomunikacyjnych/main	
Equipment:	The main available measurement equipment consists of: spectrum analysers (up to 26.5 GHz), vector network analyzer (up to 20 GHz), broadband field meters (up to 60 GHz), vector signal generators (up to 6 GHz), baseband generators (max. BW: 528 MHz), digital receivers (up to 26.5 GHz), RF amplifiers (up to 4.2 GHz), different types of measurement antennas (up to 10 GHz).	
Aims:	The radio wave propagation laboratory (RWPL) is interested in the following research topics: mobile and fixed spectrum monitoring and field-strength measurements, propagation models for outdoor, indoor and special environments, radio wave propagation for aerospace and maritime systems, impulse response of radio channels up to 20 GHz, multipath propagation and radio wave polarization, radio wave propagation for Body Area Networks, radio wave propagation for wireless systems for threats monitoring and public security.	
Availability:	For the IRACON members the equipment of the RADIOCOM@GUT-RWPL can be used for free, but only on site (in Gdańsk, Poland), e.g. under STSM scheme, and only for non-commercial academic purposes. The equipment is not remotely accessible.	
Annex:		

Place in IRACON RESEARCH MATRIX

	EWG-IoT	EWG-LT	EWG-RA
Working group	X		

	Antennas and Propagation	PHY	MAC	NET
eHealth	X			
Factory of the Future	X			
Connected Cars				
Energy Management				