

R&D DIRECTIONS OF ITS NTUU "KPI"

1. Radio Broadband Technology
 - a. "Theoretical bases of mobile broadband radio access systems, millimeter-wave band." (№ 2208-F). M. Yu. Ilchenko, M. M. Kaydenko.
 - b. "Research on methods to increase bandwidth in telecommunication systems." (№ 2406-P). S.O. Kravchuk.
2. Radiosystems with overbroadband signals
 - a. "Intelligent radio networks with self-organization." (№ 2207-F). S.G. Bunin.
3. Technology of terrestrial digital and satellite television.
4. Microwave and terahertz technology
 - a. "Digital microwave system of terahertz range with nanoelectronic components." (№ 2424-P). M. Yu. Ilchenko, T.N. Narytnyk.
 - b. "Modeling and development of telecommunication devices based on metamaterials and integrated multilayer technology." (№ 2334-P). K.S. Sunduchkov.
 - c. "Improving the efficiency of wireless communication networks using space-time processing of radio signals in distributed antenna systems." (№ 2425-P). E.A. Yakornov.
5. Optoelectronic and special technology.
6. Information Technology and Computer Engineering
 - a. "Multiagent system for integration of information resources and for information processing in distributed information telecommunication environment." (№ 2333-P). L.S. Globa, M.Yu. Ternovoy.
 - b. "Development of an interdisciplinary program suite for distributed computing based on Web services." (№ 2418-P). L.S. Globa, N.A. Alexeyev.
7. Technology of frequency-selective devices

- a. “Research and development of frequency-selective devices based on dielectric resonators of infrared wavelengths.” (№ 2304-F). O.O. Trubin.
- b. “Expanding the functionality of electrically adjustable solid-state filters.” (№ 2426-P). A.V. Zakharov.

8. Technical Data Protection