Second Laureate
Research & Development

Project title: **Tactical Frequency Hopping Network based on synchronization algorithm resistant against deception and demolition**

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Abstract:

Establishing a stable and secure communication in electronic warfare condition is provided via this network.

Elements of the network are capable to operate in plain fixed frequency, ciphered fixed frequency as well as hopping modes.

Using variable hop rate technique and sync frequencies increases the stability of the network in the areas where the electronic earfare equipment are widely used.

Using special algorithm enables the legal users enter to the network in order to be safe and protected against any deception and misuse.

Receiving and transmitting of the analogue voice, ciphered digital voice as well as DATA & SMS transmission is other capabilities of the network.

Compatibility of this network with the other traditional fixed frequency networks and possibility of recalling the fixed frequency radios via the frequency hopping elements of this network are other main features of the network.

Remote control facility of the network elements provides distance safe operation.