



 TACTICAL COMMUNICATIONS s > Radiocommunications

SMALL FORM FACTOR SDR

TGOR_{BT}-Nano

Software Defined Radio, native IP, wideband capacity which thanks to its SWaP capabilities (reduced Weight, Size and Power Consumption) allows its installation in UAVs, UGVs

Main advantages:

Operation in S-Band and optionally in UHF-band

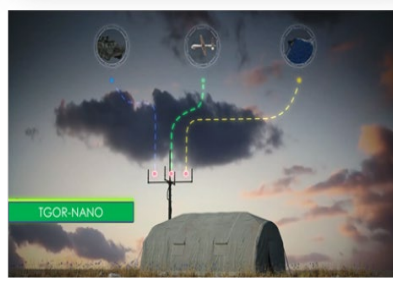
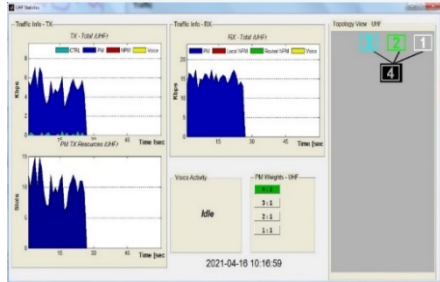
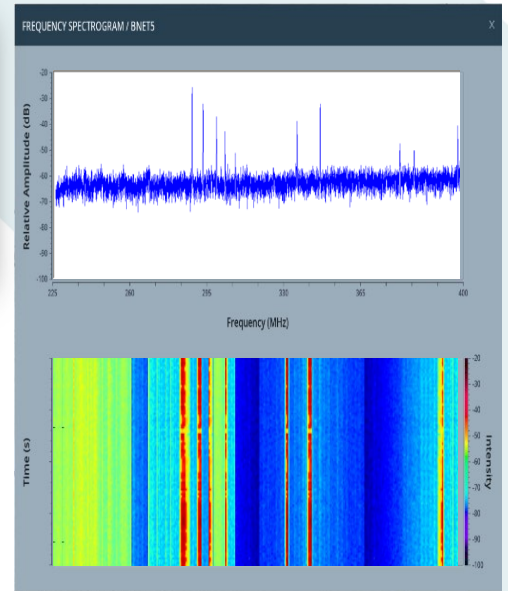
Wideband Waveform (WBWF) allows simultaneous transmission of voice, video HD and data

Native IP radio that allows you to easily integrate with other IP devices.

Cognitive Radio and Dynamic Spectrum Assign

Multi-Channel Reception (MCR)

Mobile Ad-Hoc Networks (MANET)
Flying Ad-Hoc Networks (FANET)
Vehicular Ad-Hoc Networks (VANET)



TECHNICAL FEATURES

IP	Software Defined Radio – Native IP
ECCM/EPM - TRANSEC	Frequency Hopping Spread Spectrum (FHSS)
ECCM/EPM - COMSEC	Encryption AES 256
Frequency coverage	1300 - 4500 MHz (S-band) Optional: UHF 225 – 400 MHz (NATO band)
Waveform	MANET WBWF
Channelization	1,25 MHz and 5 MHz
Capacity	Hasta 5 Mbps en transmisión
Mission Planning System	NMS – with OTA (Over-The-Air) capacity
Transmission Power	1W
Power supply	12V
Data interfaces	USB 2.0, Ethernet
RF interfaces	MIMO – LHSM/SMA
Dimensions (WxHxD)	60x43x05 mm
Weight	70 grams
Qualifications	MIL-STD-810F, IP67, MIL-STD-461E/F
Operating Temperature	-40° ÷ +55° C



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