Sunflower Seeds Ukraine

and the BB Jam project

August 2024





Sunflower Seeds Ukraine

Vision:

save lives and reduce suffering in Ukraine

Mission:

provide medical aid and protective gear to small groups of defenders

Fundraising, development in Colorado, USA
Logistics and outreach in Europe
Distribution center near Rivne, Ukraine
Direct contacts on the front lines
Registered organizations in USA and Ukraine









Many of the 'Ukrainian' EW systems are rebranded Chinese systems sold at 3-5x price We provided a few customized Chinese jammers in 700-1000MHz and 400-700MHz range UAV measures and EW countermeasures are changing too fast - need more flexible solutions

Broad Band Jammer (BBJam)

BB JAM (

Overview

- BBJam is an EWF device to interfere with control and video channels of UAV
- Can be scanned continuously or work in frequency jumping modes.
- Smart device with user programmable software interface
- Possibility of changing device configurations in field conditions.

Current needs:

- Robust broadband antenna 100MHz 2.8GHz
- Inexpensive 50-100W broadband power amplifier



PARAMETER	VALUE
Work Frequency	0,1 2,8 GHz
Output Power	25 W
Antenna	Broad spectrum dome
Power Supply	12-32 V
Connectors	Input: Power Output: Antenna
Interfaces	Programmable (USB)
Enclosure	Aluminum, IP67
Dimensions	200 x 50 x 25 mm
Weight (with antenna)	2 kg





www.bbiam.org

BBJam targeted use

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Supported jamming waveforms

- Spot jamming: multiple spots with gaps in between
- Linear scan jamming: adjustable direction, speed, slope/density
- WGN jamming: sectional

Tactical level

- Company/platoon installations
- Individual usage for certain tasks

Installation types

- Carry-on/backpack
- Stationary
- Vehicles
- Aircraft

Increased output power (40-50W+)

Single-channel DDS-based carrier generation Simultaneous multicarrier in different freq. bands Analyze the spectrum for activation

Spoofing capabilities



More information:

www.bbiam.org

info@bbjam.org



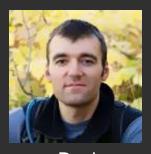
Introductions and current needs



- Design and integration in the USA: Lexycom technologies, Inc (Alex, Slava, Denis)
- Export from USA and import to Ukraine: Sunflower Seeds Ukraine (Andriy)
- Representation and support in Ukraine: Ukrcertico LLC (Mykola)











Alex

Slava

Denis

Mykola

Andriy

Current needs:

- Integration in Ukraine currently Lexycom in the USA
- Testing and certification currently Bravel and individual units
- Fundraising/funding currently Lexycom + Sunflower Seeds
- Import into Ukraine need end user certificates co-signed by MOD
- Technical support in Ukraine currently Ukrcertico



