## **COUNTER-UAS PRODUCTS**

Manufacturer	Product Name	Country of Origin	Detection	Interdiction	Platform	Source
Aaronia AG	RF Drone	Germany	RF		Ground-based	<u>Link</u>
Accipter	NM1-8A Drone Radar System	Canada	Radar		Ground-based	<u>Link</u>
Accipter	NM1-KHSxV Security Radar System	Canada	Radar, EO, IR		Ground-based	<u>Link</u>
Advanced Protection Systems	ctrl+sky	Poland	Radar, Acoustic, EO, IR, RF		Ground-based	<u>Link</u>
Advanced Radar Technologies	Drone Sentinel	Spain	Radar, EO, IR		Ground-based	<u>Link</u>
Airbus DS Electronics/Hensoldt	Xpeller	Germany	Radar, E/O, Other	RF Jamming, GNSS Jamming	Ground-based	<u>Link</u>
Airbus Group SE	Counter UAV System	France	Radar, IR,	RF Jamming, GNSS Jamming	Ground-based	<u>Link</u>
Airspace Systems	Airspace	USA		Net	UAV	<u>Link</u>
Alion Science and Technology		USA		Spoofing	Ground-based	<u>Link</u>
Allen-Vanguard	ANCILE	Canada		RF Jamming	Ground-based	<u>Link</u>
ALX Systems	Sentinel	Belgium	EO, IR		UAV	<u>Link</u>
ALX Systems	Spartiath	Belgium	Radar		UAV/Ground-Based	<u>Link</u>
AMTEC Less Lethal Systems	Skynet	USA		Net Shotgun Shells	Handheld	<u>Link</u>
ApolloShield	CyberBox	Israel	RF		Ground-based	<u>Link</u>
ArtSYS360	RS500	Israel	RF	RF Jamming, GNSS Jamming	Ground-based	<u>Link</u>
Ascent Vision	CM202U	USA	EO, IR	-	Ground-based	Link
Aselsan Corporation	IHASAVAR	Turkey		RF Jamming, GNSS Jamming	Handheld	Link
Aselsan Corporation	IHTAR	Turkey	Radar, RF	RF Jamming, GNSS Jamming	Ground-based	Link
Aveillant	Gamekeeper 16U	United Kingdom	Radar		Ground-based	<u>Link</u>
Babcock	LDEW-CD	USA	Radar, EO, IR	Laser, Gatling Gun	Ground-based	<u>Link</u>
BATS	Drone Guard	Belgium	Radar, EO, IR	RF Jamming, GNSS Jamming	Ground-based	<u>Link</u>
Battelle	Drone Defender (handheld)	USA		RF Jamming, GNSS Jamming	Handheld	<u>Link</u>
Battelle	Drone Defender (land-based unit)	USA		RF Jamming, GNSS Jamming	Ground-based	Link
Black Sage/IEC Infrared	UAVX	USA	Radar, EO, IR	RF Jamming	Ground-based	<u>Link</u>
Blighter/Chess Dy- namics/Enterprise Control Systems	AUDS Anti-UAV Defence System	United Kingdom	Radar, EO, IR	RF Jamming	Ground-based	<u>Link</u>
Blind Tiger	Wireless Intrusion Detection and De- feat System	USA	RF	Managed Access	Ground-based	Link
Boeing	Laser Avenger	USA	Radar	Laser	Ground-based	<u>Link</u>
Boeing/General Dynamics	MEHEL 2.0	USA		Laser	Ground-based	<u>Link</u>
Broadfield Security Services	Drone Blocker	Netherlands		RF Jamming	Ground-based	<u>Link</u>

Manufacturer	Product Name	Country of Origin	Detection	Interdiction	Platform	Source
Broadfield Security Services	UAS Detection and Verification System	Netherlands	Radar, EO, IR, Acoustic		Ground-based	<u>Link</u>
BYLBOS/Roboost	SPID	France	EO, IR, RF	RF Jamming, GNSS Jamming	Ground-based	Link
CACI	SkyTracker	USA	RF	RF Jamming	Ground-based	<u>Link</u>
CellAntenna	D3T	USA	RF	RF Jamming, GNSS Jamming	Ground-based	<u>Link</u>
CerbAir	CerbAir Fixed	France	RF, EO,IR	RF Jamming, Net	Ground-based	<u>Link</u>
CerbAir	CerbAir Mobile	France	RF, EO,IR	RF Jamming, Net	Ground-based	<u>Link</u>
Chenega Europe	dronecollider	Ireland		Sacrificial collision drone	UAV	<u>Link</u>
Chenega Europe	dronesnarer	Ireland		Net	Handheld	<u>Link</u>
Chenega Europe	dronesoaker	Ireland		Water projector	Handheld	<u>Link</u>
Chenega Europe	dronetaker	Ireland		Spoofing	UAV	<u>Link</u>
Chenega Europe	dronetracker	Ireland	Acoustic, Motion Detection		Ground-based	<u>Link</u>
Chenega Europe	dronevigil Array	Ireland	Radar		Ground-based	<u>Link</u>
Chenega Europe	dronevigil Defender	Ireland		RF Jamming	Handheld	<u>Link</u>
Chenega Europe	dronevigil Field Mobile	Ireland	Radar		Ground-based	<u>Link</u>
Chenega Europe	dronevigil Holo- graphic	Ireland	Radar		Ground-based	<u>Link</u>
Cintel	N/A	USA		Spoofing	UAV	<u>Link</u>
CITADEL	DFU3000	USA	RF	Spoofing	Handheld, Ground- based	Link
Cobham Antenna Systems	Directional Flat Panel Antenna	USA	RF	RF Jamming, GNSS Jamming	Ground-based	Link
Cobham Antenna Systems	Directional Helix Antenna	USA	RF	RF Jamming, GNSS Jamming	Ground-based	<u>Link</u>
Cobham Antenna Systems	High Power Ultra-Wideband Directional Antenna	USA	RF	RF Jamming, GNSS Jamming	Ground-based	<u>Link</u>
Cobham Antenna Systems	Wideband Om- ni-Directional	USA	RF	RF Jamming, GNSS Jamming	Ground-based	<u>Link</u>
Controp	SPEED-BIRD	Israel	EO, IR		Ground-based	<u>Link</u>
Controp	Tornado	Israel	EO, IR		Ground-based	<u>Link</u>
Convexum		Israel	RF		Ground-based	<u>Link</u>
CRFS	RFeye	United Kingdom	RF		Ground-based	<u>Link</u>
CTS	Drone Jammer	China		RF Jamming, GNSS Jamming	Handheld	<u>Link</u>
D-Fend Solutions	N/A	Israel	RF	RF Jamming, Spoofing	Ground-based	<u>Link</u>
DeDrone, Inc.	DroneTracker	USA	EO, IR, Acoustic, Wifi		Ground-based	<u>Link</u>
Delft Dynamics	DroneCatcher	Netherlands		Net	UAV	<u>Link</u>
Department 13 International	MESMER	USA	RF	Spoofing	Ground-based	<u>Link</u>
DeTect, Inc	DroneWatcherAPP	USA/UK	Mobile App		Handheld	<u>Link</u>
DeTect, Inc	DroneWatcherRF	USA/UK	RF		Ground-based	<u>Link</u>
DeTect, Inc	HARRIER Drone Surveillance Radar	USA/UK	Radar		Ground-based	<u>Link</u>

12

Manufacturer	Product Name	Country of Origin	Detection	Interdiction	Platform	Source
Deutsche Telekom	Magenta	Germany	RF, Radar, EO, IR	RF Jamming, GNSS Jamming	Ground-based	Link
Diehl Defence	HPEMcounterUAS	Germany		Electromagnetic pulse	Ground-based	Link
Digitech Info Tech- nology	JAM-1000	China		RF Jamming, GNSS Jamming	Ground-based	<u>Link</u>
Digitech Info Tech- nology	JAM-2000	China		RF Jamming, GNSS Jamming	Handheld	Link
Digitech Info Tech- nology	JAM-3000	China		RF Jamming, GNSS Jamming	Ground-based	<u>Link</u>
DJI	AeroScope	China	Electronic Identification		Ground-based	<u>Link</u>
Drone Defence	Dynopis E1000MP	United Kingdom		RF Jamming, GNSS Jamming	Ground-based	<u>Link</u>
Drone Defence	NetGun X1	United Kingdom		Net	Handheld	<u>Link</u>
Drone Defence	SkyFence	United Kingdom		RF Jamming	Ground-based	<u>Link</u>
Drone Go Home		USA	RF		Ground-based	<u>Link</u>
Drone Hunter		Germany	Radar		Ground-based	Link
Drone Labs	Drone Detector	USA	RF		Ground-based	Link
Drone Security Defence			Unspecified	Unspecified	Ground-based	<u>Link</u>
Dronefence		Germany	RF, Acoustic, EO, IR	Spoofing	Ground-based	<u>Link</u>
DroneShield	DroneBeam	Australia	Spotlight		Ground-based	Link
DroneShield	DroneHeat	Australia	IR		Ground-based	Link
DroneShield	DroneOpt	Australia	EO		Ground-based	<u>Link</u>
DroneShield	DroneSentinel	Australia	Radar, RF, Acoustic, EO, IR		Ground-based	<u>Link</u>
DroneShield	DroneSentry	Australia	Radar, RF, Acoustic, EO, IR	RF Jamming, GNSS Jamming	Ground-based	<u>Link</u>
DroneShield	Faralert Sensor	Australia	RF		Ground-based	<u>Link</u>
DroneShield	RadarOne	Australia	Radar		Ground-based	Link
DroneShield	RfOne	Australia	RF		Ground-based	<u>Link</u>
DroneShield	WideAlert Sensor	Australia	Acoustic		Ground-based	Link
DroneShield	DroneGun MKII	Australia		RF Jamming, GNSS Jamming	Handheld	<u>Link</u>
DroneShield	DroneGun Tactical	Australia		RF Jamming, GNSS Jamming	Handheld	Link
DroneShield	RadarZero	Australia	Radar		Ground-based	<u>Link</u>
DRS/Moog	Mobile Low, Slow Unmanned Aerial Vehicle Integrated Defense Systems	USA	Radar	Machine Gun	Ground-based	<u>Link</u>
DRS/Moog	SABRE	USA	Radar	Machine Gun	Ground-based	<u>Link</u>
Dynetics	GroundAware	USA	Radar		Ground-based	<u>Link</u>
ECA Group	EC-180	France	Transponder		UAV	<u>Link</u>
Elbit	ReDrone	Israel	RF	RF Jamming, GNSS Jamming	Ground-based	<u>Link</u>
Elbit	SupervisIR	Israel	IR		Ground-based	<u>Link</u>
ELT-Roma	ADRIAN	Italy	RF, EO, IR	RF Jamming, GNSS Jamming	Ground-based	<u>Link</u>
ELTA (Israel Aerospace Industries)	Drone Guard	Israel	Radar, EO	GNSS Jamming	Ground-based	<u>Link</u>

Manufacturer	Product Name	Country of Origin	Detection	Interdiction	Platform	Source
esc Aerospace	CUAS	Germany	RF, Radar, Acoustic, EO	RF Jamming, GNSS Jamming, Electro- magnetical Pulse	Ground-based	<u>Link</u>
Exponent	Drone Hunter		EO, IR		UAV	<u>Link</u>
Fortem Technologies	Drone Hunter	USA		Net	UAV	Link
Fovea Aero	CCOD	USA		Net	UAV	<u>Link</u>
Fuyuda	Portable Counter Drone Defence System	China		RF Jamming, GNSS Jamming	Ground-based	<u>Link</u>
General Atomics	Fencepost	USA	Acoustic		Ground-based	<u>Link</u>
GEW Technologies	SkyScan 2	South Africa	RF		Ground-based	<u>Link</u>
Groupe ADP/DSNA Services	Hologarde	France	Radar, RF, EO, IR		Ground-based	<u>Link</u>
Groupe Assman	MTX-8	France		Net	UAV	<u>Link</u>
Gryphon Sensors	Skylight	USA	Radar, RF, EO, IR		Ground-based	<u>Link</u>
Gryphon Sensors	Skylight Mobile	USA	Radar, RF, EO, IR		Ground-based	<u>Link</u>
Harp Arge	Drone Savar	Turkey		RF Jamming	Handheld	Link
HGH Infared Systems	Spynel M	France	IR		Ground-based	<u>Link</u>
HiGH + MiGHTY	SKYNET	Taiwan		RF Jamming, GNSS Jamming	Handheld	<u>Link</u>
Hikvision	Defender Series UAV-D04JA	China		RF Jamming, GNSS Jamming	Handheld	<u>Link</u>
HP Marketing and Consulting	HP 3962 H	Germany		RF Jamming, GNSS Jamming	Ground-based	<u>Link</u>
HP Marketing and Consulting	HP 47	Germany		RF Jamming, GNSS Jamming	Ground-based	<u>Link</u>
IACIT	DRONEBlocker 0100	Brazil	EO, IR, RF, Acoustic, Radar	RF Jamming	Ground-based	<u>Link</u>
IACIT	DRONEBlocker 0200	Brazil	EO, IR, RF, Acoustic, Radar	RF Jamming	Ground-based	<u>Link</u>
IMI Systems	Red Sky 2 Drone Defender System	Israel	Radar	RF Jamming	Ground-based	<u>Link</u>
IXI Technology	Drone Killer	USA		RF Jamming, GNSS Jamming	Handheld	<u>Link</u>
JCPX Develop- ment/DSNA Ser- vices/Aveillant	UWAS	Monaco	Radar, EO, IR	"Counter measures"	Ground-based	<u>Link</u>
Jiun An Technology	Raysun MD1	Taiwan		RF Jamming, GNSS Jamming	Handheld	<u>Link</u>
Kalashnikov/ZALA Aero Group	REX 1	Russia		RF Jamming, GNSS Jamming	Handheld	Link
KB Radar Design Bureau	Groza-R	Belarus		RF Jamming, GNSS Jamming	Handheld	<u>Link</u>
KB Radar Design Bureau	Groza-S	Belarus	RF	RF Jamming, GNSS Jamming	Ground-based	Link
KB Radar Design Bureau	Groza-Z	Belarus	RF	RF Jamming, GNSS Jamming	Ground-based	<u>Link</u>
Kelvin Hughes	SharpEye	United Kingdom	Radar		Ground-based	<u>Link</u>
Kirintec	Recurve	United Kingdom		RF Jamming, GNSS Jamming	Ground-based	<u>Link</u>

14

Manufacturer	Product Name	Country of Origin	Detection	Interdiction	Platform	Source
Kirintec	Sky Net Longbow	United Kingdom		RF Jamming, GNSS Jamming	Ground-based	<u>Link</u>
L3 Technologies	Drone Guardian	USA	Radar, EO, IR, RF	RF Jamming, GNSS Jamming	Ground-based	<u>Link</u>
Liteye	ADIS	USA	Radar, EO, IR		Ground-based	<u>Link</u>
Liteye/Orbital ATK	T-REX	USA	Radar, EO, IR	RF Jamming, Kinetic	Ground-based	<u>Link</u>
Lockheed Martin	ADAM	USA	EO, IR	Laser	Ground-based	<u>Link</u>
Lockheed Martin	ATHENA	USA	EO, IR	Laser	Ground-based	<u>Link</u>
Lockheed Martin	ICARUS	USA	RF, EO, Acoustic	RF Jamming, Spoofing	Ground-based	<u>Link</u>
LocMas	STUPOR	Russia		RF Jamming, GNSS Jamming	Handheld	<u>Link</u>
Marduk Technol- ogies	Shark	Estonia	ЕО	Laser	Ground-based	<u>Link</u>
MBDA Deutschland	High Energy Laser Weapon System	Germany		Laser	Ground-based	<u>Link</u>
MC-CLIC	Anti-UAV Rifle	Monaco		RF Jamming	Handheld	<u>Link</u>
Meritis	ADS-2000	Switzerland	Acoustic		Ground-based	<u>Link</u>
Meritis	P6	Switzerland		RF Jamming, GNSS Jamming	Handheld	<u>Link</u>
Meritis	RTX-2000M6	Switzerland		RF Jamming, GNSS Jamming	Ground-based	<u>Link</u>
Meritis	RTX-3000X	Switzerland		RF Jamming, GNSS Jamming	Ground-based	<u>Link</u>
Meritis	RTX-300P2	Switzerland		RF Jamming, GNSS Jamming	Handheld	<u>Link</u>
Meritis	SC-1000T	Switzerland	EO, IR		Ground-based	<u>Link</u>
Meritis	SC-1500T	Switzerland	EO, IR		Ground-based	<u>Link</u>
Meritis	SkyCleaner	Switzerland		RF Jamming, GNSS Jamming	Handheld	<u>Link</u>
Meritis	SR-9000S	Switzerland	Radar		Ground-based	Link
Microflown AVISA	SKYSENTRY	Netherlands	Acoustic		Ground-based	Link
Miltronix	Drone Detection Radar	United Kingdom	Radar		Ground-based	<u>Link</u>
Mitsubishi Electric Corporation	Drone Deterrence System	Japan	RF	RF Jamming	Ground-based	<u>Link</u>
MyDefence Com- munication ApS	EAGLE	Denmark	Radar		Ground-based	Link
MyDefence Com- munication ApS	KNOX system	Denmark	Multi-sensor Server Solution		Ground-based	<u>Link</u>
MyDefence Com- munication ApS	WATCHDOG	Denmark	RF		Ground-based	<u>Link</u>
MyDefence Com- munication ApS	WOLFPACK	Denmark	RF		Ground-based	<u>Link</u>
MySky Technoligies		Australia	Unspecified		Ground-based	<u>Link</u>
Nammo		Norway		Programmable ammunition		<u>Link</u>
NEC		Japan	EO, IR		Ground-based	<u>Link</u>
Netline Communications	C-GUARD DRONENET	Israel		RF Jamming	Ground-based	<u>Link</u>

Manufacturer	Product Name	Country of Origin	Detection	Interdiction	Platform	Source
Netline Communications	WOODPECKER LIGHT	Israel	RF		Ground-based	<u>Link</u>
NNIIRT	1L121-E	Russia	Radar		Ground-based	<u>Link</u>
Northrop Grumman	Drone Restricted Access Using Known EW	USA		RF Jamming	Ground-based	<u>Link</u>
Northrop Grumman	Mobile Application for UAS Identification	USA	Acoustic		Ground-based	<u>Link</u>
Northrop Grumman	Venom	USA	Laser Designator		Ground-based	<u>Link</u>
OIS-AT	3D Air Surveillance UAV Detection Radar	India	Radar		Ground-based	<u>Link</u>
Open Works Engineering	Skywall 100	United Kingdom		Net	Handheld	<u>Link</u>
Open Works Engineering	Skywall 200	United Kingdom		Net	Handheld	<u>Link</u>
Open Works Engineering	Skywall 300	United Kingdom		Net	Ground-based	<u>Link</u>
Optix	Anti-Drone	Bulgaria		RF Jamming, GNSS Jamming	Ground-based	<u>Link</u>
Orad	DROM	Israel	RF	RF Jamming	Ground-based	<u>Link</u>
Orelia	Drone Detector	France	Acoustic	Jamming	Ground-based	<u>Link</u>
Panasonic	Drone Finder	Japan	Acoustic, EO		Ground-based	<u>Link</u>
Phantom Technologies	Eagle108 Tactial Drone Jammer	Israel	RF?	RF Jamming, GNSS Jamming	Ground-based	<u>Link</u>
Poly Technologies	Silent Hunter	China	EO, IR	Laser	Ground-based	<u>Link</u>
Prime Consulting & Technologies	GROK Jammer	Denmark		RF Jamming, GNSS Jamming	Ground-based	<u>Link</u>
Prime Consulting & Technologies	GROK Mobile Gun	Denmark		RF Jamming, GNSS Jamming	Handheld	<u>Link</u>
Prime Consulting & Technologies	Mini-range count- er-UAV system	Denmark	EO, IR		Ground-based	<u>Link</u>
Prime Consulting & Technologies	Small-range count- er-UAV system	Denmark	Radar, EO, IR		Ground-based	<u>Link</u>
QinetiQ	OBSIDIAN	United Kingdom	Radar		Ground-based	<u>Link</u>
Quantum Aviation	DroneProtect	United Kingdom	RF, EO, IR, Radar		Ground-based	<u>Link</u>
RADA Electronic Industries	Multi-Mission Hemispheric Radars	Israel	Radar		Ground-based	<u>Link</u>
RADA Electronic Industries	RPS-42	Israel	Radar		Ground-based	<u>Link</u>
Radio Hill Technologies	Dronebuster	USA		RF Jamming, GNSS Jamming	Handheld	Link
Radio Hill Technologies	Dronebuster LE	USA		RF Jamming, GNSS Jamming	Handheld	Link
Rafael Advanced Defense Systems	Drone Dome	Israel	Radar, EO, IR	RF Jamming, GNSS Jamming, Laser	Ground-based	<u>Link</u>
Rajant Corp	MANET	USA		Swarming	UAV	<u>Link</u>
Raytheon	MRZR	USA	EO, IR	Laser	Ground-based	<u>Link</u>
Repulse	Repulse 24	USA		RF Jamming	Ground-based	<u>Link</u>
Repulse	Repulse 2458E	USA		RF Jamming	Ground-based	<u>Link</u>
Repulse	Repulse 2458H Handheld	USA		RF Jamming	Handheld	<u>Link</u>

16

Manufacturer	Product Name	Country of Origin	Detection	Interdiction	Platform	Source
Repulse	Repulse 360	USA		RF Jamming	Ground-based	<u>Link</u>
Rheinmetall AG	HEL Effector Wheel XX	Germany	Radar	Laser	Ground-based	<u>Link</u>
Rinicom	Sky Patriot	United Kingdom	EO,IR		Ground-based	<u>Link</u>
Robin Radar Systems	Elvira	Netherlands	Radar		Ground-based	<u>Link</u>
Robodub	N/A	USA		Kinetic	UAV	<u>Link</u>
Rohde & Schwarz	ARDRONIS	Germany	RF	RF Jamming, GNSS Jamming	Ground-based	<u>Link</u>
Rohde & Schwarz/ ESG/Diehl	Guardion	Germany	Radar, RF, EO, IR	RF Jamming, GNSS Jamming	Ground-based	<u>Link</u>
Rostec	Shipovnik-Aero	Russia	RF, Unknown	RF Jamming, GNSS Jamming	Ground-based	<u>Link</u>
Saab Group	Giraffe 1x	Sweden	Radar		Ground-based	<u>Link</u>
SC Scientific and Technical Center of Electronic Warfare	Repellent-1	Russia	RF	RF Jamming	Ground-based	<u>Link</u>
SCG/Van Cleve & Associates	DroneRANGER	Switzerland	Radar	RF Jamming	Ground-based	<u>Link</u>
SCI Technology	AeroGuard	USA		Net	UAV	<u>Link</u>
Search Systems	Sparrowhawk	United Kingdom		Net	UAV	<u>Link</u>
Selex	Falcon Shield	United Kingdom	EO, IR, Radar	RF Management	Ground-based	<u>Link</u>
Sensofusion	Airfence	Finland	RF		Ground-based	<u>Link</u>
SESP	Drone Defeater	United Kingdom	EO, IR, RF	RF Jamming	Ground-based	<u>Link</u>
Sierra Nevada Corporation	SkyCAP	USA		RF Jamming	Handheld, Ground- based	Link
SkySafe	Skysafe	USA	RF	Spoofing	Handheld	<u>Link</u>
Skysec	Sentinel Catch	Switzerland		Net	UAV	<u>Link</u>
Skysec	Sentinel Catch&- Carry	Switzerland		Net	UAV	<u>Link</u>
Sohgo Security Services		Japan	Acoustic		Ground-based	<u>Link</u>
SpotterRF	A-Series Count- er-Drone Radar	USA	Radar		Ground-based	<u>Link</u>
Squarehead	Discovair	Norway	Acoustic		Ground-based	<u>Link</u>
SRC	Silent Archer	USA	Radar, EO, IR	RF Jamming, GNSS Jamming, Kinetic	Ground-based	<u>Link</u>
ST Kinetics	C-UAS Grenade	Singapore		Projectile		<u>Link</u>
SteelRock Technologies	Fixed Perimeter System	United Kingdom	RF	RF Jamming, GNSS Jamming	Ground-based	<u>Link</u>
SteelRock Technologies	NightFighter	United Kingdom		RF Jamming, GNSS Jamming	Handheld	<u>Link</u>
TCI	Blackbird	USA	RF		Ground-based	<u>Link</u>
Telaforce		USA	RF		Ground-based	<u>Link</u>
TeleRadio Engi- neering	SkyDroner 1000	Singapore	EO, Other		Ground-based	<u>Link</u>
TeleRadio Engi- neering	SkyDroner 500	Singapore	EO, Other		Ground-based	<u>Link</u>
Terra Hexen	Droneblocker System-Omnidirec- tional	Poland		RF Jamming, GNSS Jamming	Ground-based	Link