



Cellular Guard Tower



**Holistic Cellular Solution for
Prison Environments**

SDF Guard Tower

SDF Guard Tower is a cutting-edge solution for handling the challenges posed by contraband cell phones in correctional facilities. **SDF Guard Tower** provides monitoring, selective blocking and tracking of cellular devices in prison environments. Based on the **SDF GUARDIAN™** technological infrastructure, the **SDF Guard Tower** also allows access management of cellular devices located within the prison compound, tracking their location with extreme accuracy and monitoring their traffic for intelligence collection.

Access Management, Selective Blocking And Service Denial

SDF Guard Tower™ provides highly advanced capabilities in the realm of jamming communications of cellular and other personal communications devices. This includes selective blocking and access management of cellular communications; sophisticated and highly efficient algorithms for disabling all cellular services; reactive jamming of VHF and UHF transceivers; and other forms of communications' blocking for disabling Sat-Phone services or Wi-Fi communications.

Ultra Accurate Positioning Capabilities

The **SDF Guard Tower** possesses ultra-accurate cellular positioning capabilities, which provide high resolution location information regarding acquired cell phones. This includes sophisticated algorithms used to compute the location of acquired cell phones that provide high resolution location, down to the prison cell level.

Cellular Services For White Listed Phones

SDF Guard Tower provides selective blocking capabilities for GSM, UMTS, LTE & 5G (NSA) devices. This means that while one device acquired by the system may be disabled, another may continue to receive service from the public network without interruption. This capability allows authorized personnel inside the prison to continue using their phones as normal, without impairing the effectiveness of the system in denying cellular services from unauthorized devices.

Interception And Intelligence Collection

SDF Guard Tower comes with an optional interception module which can provide interception capabilities for voice, SMS and data, as well as the capability to modify some of the information transmitted or received by inmates, before it reaches its destination.

Operational And Technical Specifications

Feature	Description
Selective Blocking	GSM, UMTS, LTE, 5G (NSA), Wi-Fi
Non-Selective Blocking	(Optional) GSM, UMTS, LTE, 5G (NSA) WiMax (Optional) relevant SatPhone systems (Optional) Conventional VHF/UHF transceivers (Optional) Wi-Fi
Location Capabilities	Active Positioning (Optional) Ultra-Accurate Positioning
Identities Extracted	IMSI, IMEI, TMSI, IMEI-SV, MSISDN (optional)
Lists definition	Support for multiple groups of subscribers, import and export included
Targets DB	Included, import and export available
Operating range	Depending on configuration, physical layout and electromagnetic environment. Maximal range can be controlled by user
Configuration Options	Backpack, Tactical Case, Cabinet
Battery Time	Depending on configuration, when applicable
Interception Capabilities	Voice, SMS, SMS modification, number of concurrent calls depends on configuration, Data
Transmission output power	Depending on configuration (10 mW – 100W total)
Signal Source	PLL synthesized
Power supply	Battery / 90 – 220VAC / 12VDC
Antenna	Directional / Omni-Directional

Dimensions

Depending on configuration

Weight

Depending on configuration

Operating Temp.

0°C – 50°C

Humidity

5%-95% (non condensing)



ABOUT SDF

SDF-Tech Ltd. provides innovative, robust and cost-effective solutions and products for intelligence and Law Enforcement Agencies (LEAs), Telecom and Internet service providers.

These solutions include communications interception and analysis systems, cellular location tracking infrastructure, telecom resources protection and more.

SDF is a global organization with offices and representatives worldwide.

At SDF we leverage our extensive base of deployed systems, operational knowledge and deep technological capabilities to support our customers and their needs.

For more information please visit www.sdf-tech.com



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