WolvesFleet

We Save Lives and Prevent leakage of confidence

WATERPROOF HIGH POWER JAMMERS

PRISON SOLUTION

Model NO. **WF-P6HCP**

WOLVESFLEET TECHNOLOGY CO., LIMITED | www.wolvesfleet.com

I. THE PRESENT PROBLEM HAPPENS ON THE PRISONERS TO USE THE MOBILE PHONE.

The rapid development of wireless communication, makes great convenience to the lives of people around the world. But criminals' abuse already seriously do harm to people's lives and impartial law enforcement.

Command To Murder The Witness

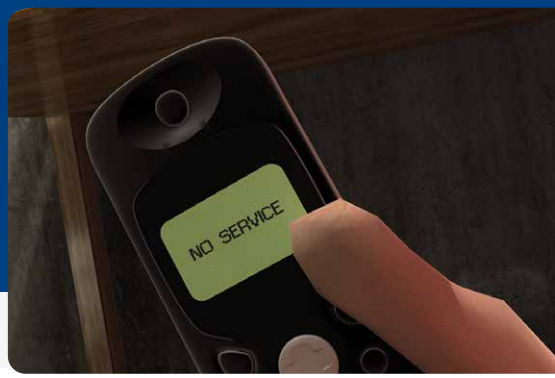
Collude The Partisans And Be Acquitted

Command Jailbreak

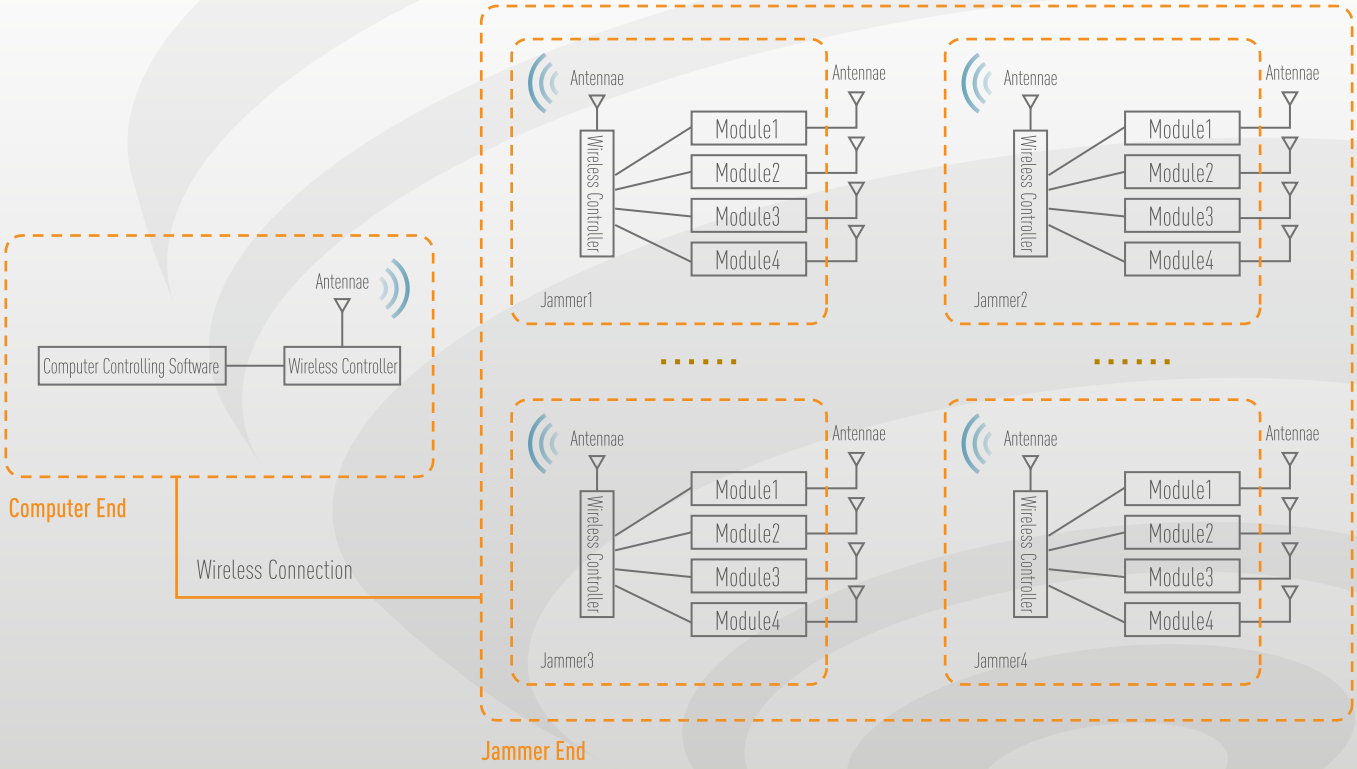
Inmates take use of the wireless communication equipment and engage in the illegal activity with the outside partisans. They command to murder the witness and try to be acquitted, even making the riots to escape from the jail.

II. WOLVESFLEET SOLUTION

Wolvesfleet specialized in developing the jamming system for the buildings, completely block the inmates cellular phone communication inside the prison. We have been successfully applied our high power jamming system in the European, South American, mid-east countries and etc.



III. WORKING PRINCIPLE DIAGRAM FOR JAMMING DEVICE



IV. SYSTEM MANAGEMENT DIAGRAM FOR ONE PRISON

Controlling Center

Wireless controlled

Jamming Areas

WF-P6HCP
Waterproof High Power Jammer

V. THE WF-P6HCP SPEC WITH ADVANTAGES AND FEATURES

WF-P6HCP Specification

Wireless Software Controlled Jamming System WF-P6HCP is developed specially for prisons and other large, sensitive facilities, such as military installations and government compounds. It is upgraded from our prison jamming system WF-P6H. The jamming system can be controlled remotely with activation and deactivation of the system. It is carried out only by using a wireless control unit through the central computer.

WF-P6HCP is constructed inside a special metal enclosure, incorporating an efficient "smart active" cooling system with incoming air filters, which enables the system to operate 365 days/24 Hours/7days continuously even in hot weather. Its secure design ensures that the prison inmates and unauthorized prison personnel cannot tamper with the safe and continuous operation of the system.

Main Applications

Prisons and other large sensitive locations such as military or governmental compounds. It can also be used in Oil and Gas Storage Facilities and fields, Security Services, Military Units, Secret Services, Museums, Border Patrol and Drug Enforcement, Customs, etc.

Advantages and Features

01. Each unit can jam up to six frequency bands simultaneously.
02. For the cellular phone jamming, only making the interference to the downlink bands,never to the uplink and make sure BTS normal running.
03. Special Waterproof and solid housing for all weather protection.
04. Continuous operation, even in hot climates, with no time limit.
05. Heat sink designing combing with the fans to make system in a cooling status.
06. Secure design to avoid sabotage.
07. (VSWR) circuit protection to ensure system will not burn out in case of antenna short circuiting or disconnection
08. Antenna type options, directional or omni-directional antennas option.
09. Wireless software controlled. No wired connection.
10. E-mail and Alarming system. Once something is wrong, such as the cabinet opened maliciously, RF cables cut off deliberately, Modules failure,Temperature problem.
11. Adjust the output power of the jamming modules by the computer.
12. ON/OFF each Jamming module or device separately.
13. Set the time to open and close the machine. system can be automatically entered into operation.
14. Selection of antennas to provide more flexibility regarding jamming coverage.
15. UPS and battery backup in case of mains power failure.

Technical Specification

Model	WF-P6HCP Triple Band	WF-P6HCP Four Band	WF-P6HCP Five Band	WF-P6HCP Six Band
Number of Frequency bands	3	4	5	6
All Frequency, Up to 6Bands can be chosen	Cellphone Standards CDMA450(460-470MHz) CDMA800/GSM850(851-894MHz) iDEN(869-894MHz) GSM900(925-960MHz) DCS/GSM1800(1805-1880MHz) PCS/GSM1900(1930-1990MHz) 3G/WCDMA/CDMA2000(2110-2170MHz) 4G/LTE700(American), 4G/LTE800(Europe),4G/LTE2.6GHz,4G-LTE2.3GHz Computer Communication Standards Wlan, 2.4GHz,WiFi,Bluetooth Satellite Communication Systems GlobalStar, GPS,Thuraya (1520-1580MHz)			
Output Power(Watt)	Up to 100Watt/band	Up to 100Watt/band	Up to 80Watt/band	Up to 60Watt/band
Total Power(Watt)	Max: 300Watt	Max: 400Watt	Max: 400Watt	Max: 360Watt
Power Consumption	Max:1800VA	Max:2200VA	Max:2500VA	Max:2200VA
Power Supply voltage	230VAC/110VAC 24-27VDC			
Power Adjust	Multi level adjust by computer			
Housing	Metal Enclosure			
Device Size	720*450*320mm			
Total System Weight (With antennae)	Approx.: 45kg	Approx.: 48kg	Approx.: 50kg	Approx.: 58kg
Controller System	Wireless Controller By Computer			
Humidity	5%-80%			
Operational Temperature	-40 °C - +65 °C			
Cooling System	Active smart with integrated incoming air filter			
Waterproof level	IP55			
Antennae type	Directional Antennae (Omni directional antennae optional)			
Antenna Gain	Directional Antennae up to 15dBi, Omni directional antennae up to 8dBi			
Directional Antennae Number (Max)	2	2	3	3

VI. HOW TO WARRANTY THE DEVICE IN NORMAL WORKING UNDER EXTREMELY HIGH TEMPERATURE.

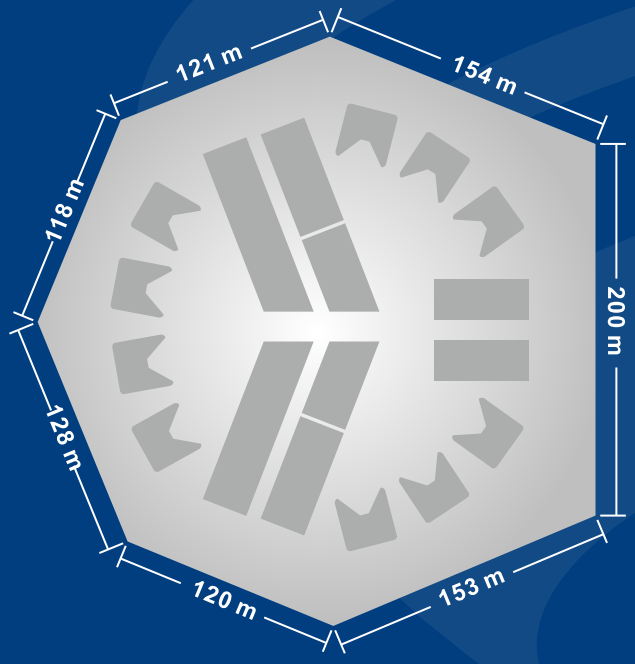
Active Cooling System

Metal protection Cover with incoming air Filter

The Metal Heat efficient and automatic cooling system.

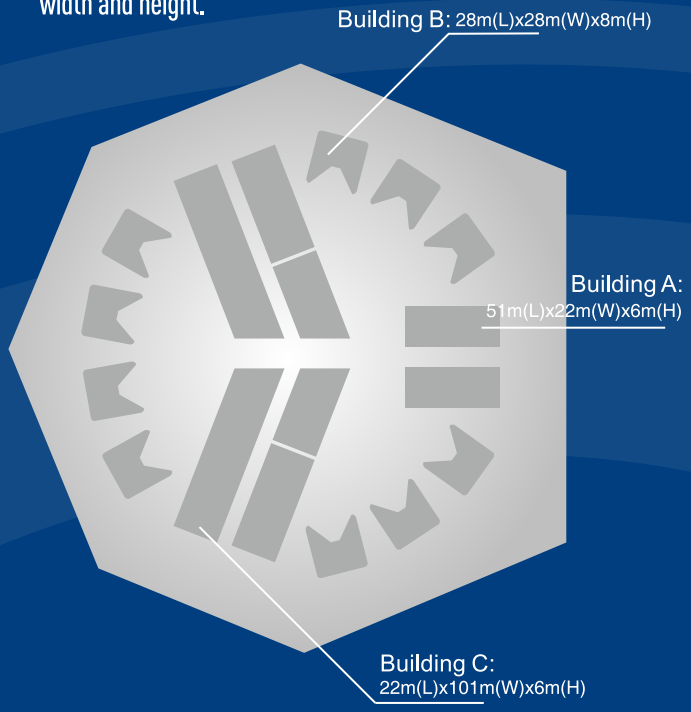
VII. BEFORE WE CONFIRM THE INSTALLATION QUANTITY AND COMPLETE SOLUTION, INFORMATION BELOW MUST BE OFFERED

a. The map and size of prison.



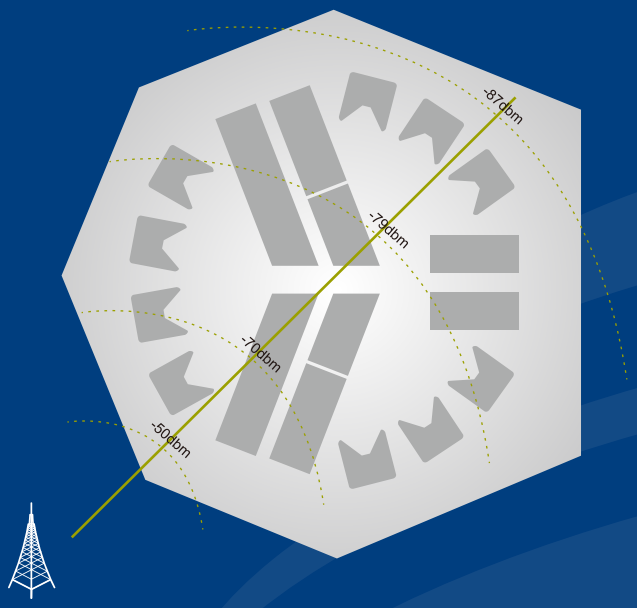
It helps us to define the jammer quantities to be installed.

b. All the buildings location inside the prison as well as their length , width and height.



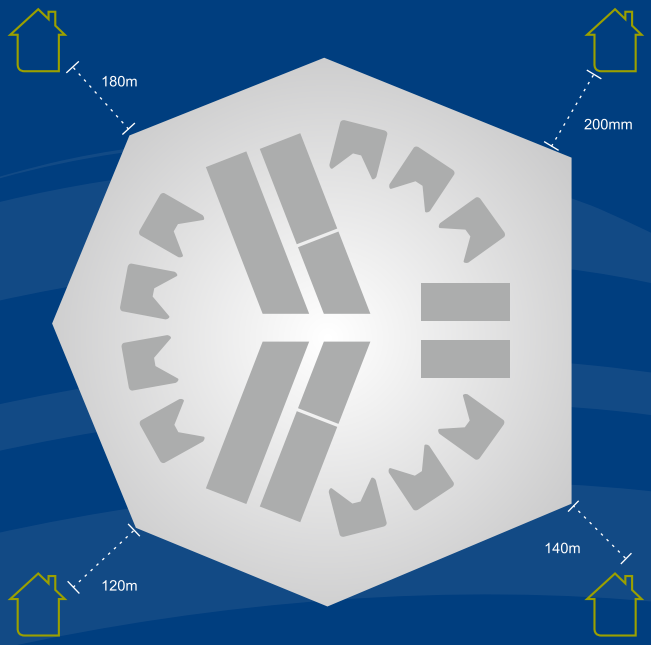
These will be helpful to design the height of the antenna as well as coverage range of the device. Moreover it will be better to confirm the quantities of jammers and position to be installed.

c. The Cellphone signal strength (or nearest BTS distance) from all directions surrounding the prison



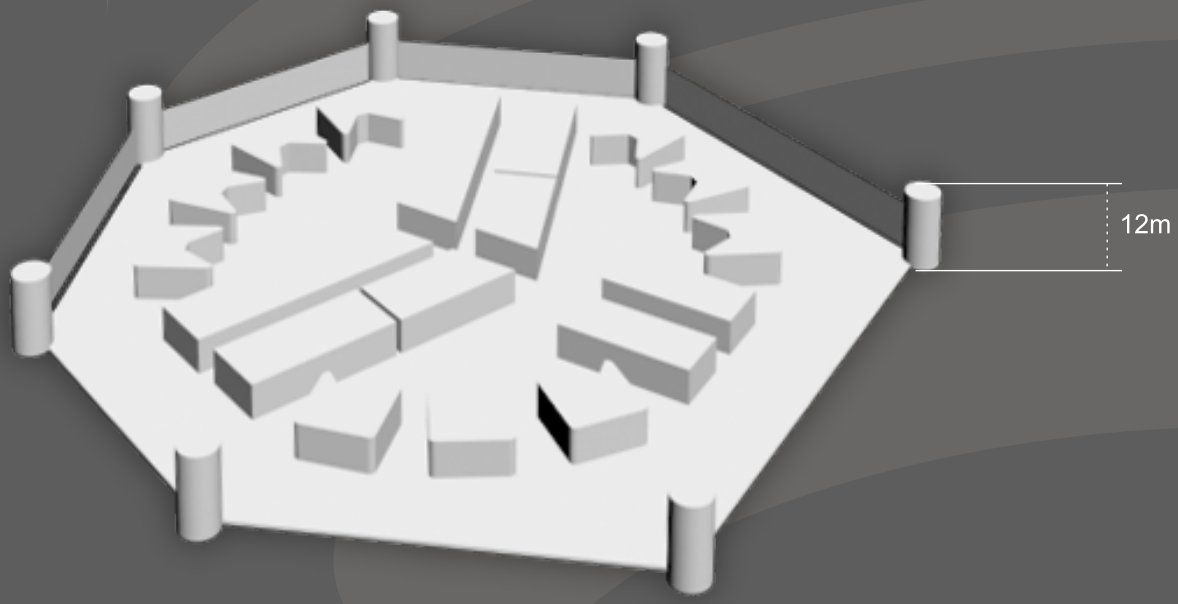
This is also an important factor to confirm the quantities of the jammers and position to be installed.

d. The distance between prison in all directions and its nearest residential area



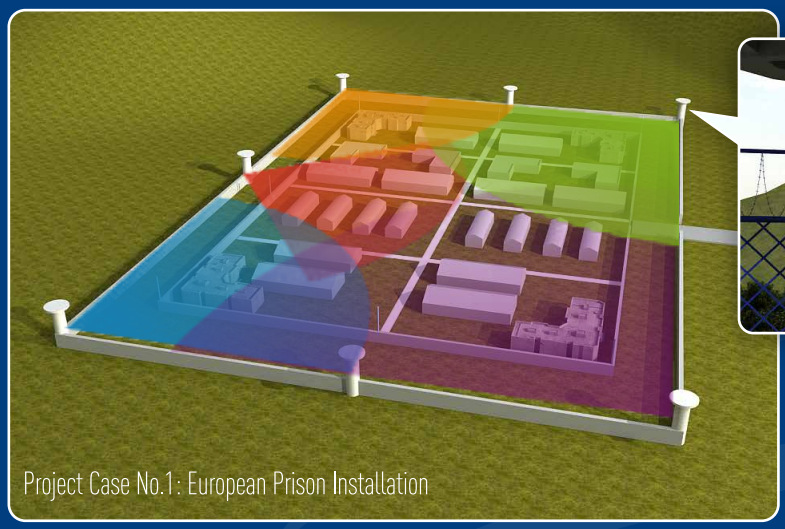
This helps us to confirm the antennae mounting position and installation angle in order not to interfere the normal cellular phone working in surrounding residential areas.

e. Height of Perimeter wall, Is there any patrolling tower or not , if yes,its height and position must be offered .



Through these info, we can confirm whether we can take advantage of the fixing post to mount the jammers on the perimeter wall or existed patrolling towers. Threrefore ,the installation cost can be reduced greatly.

VIII. PROJECT SHOW & INSTALLATION



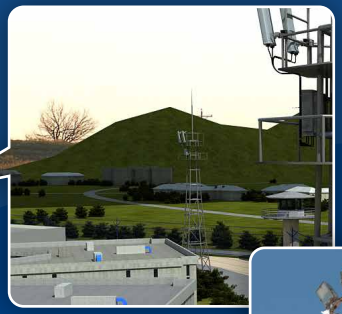
Project Case No.1: European Prison Installation

Take use of the existing building to install the jammers. This cost will be lower to some degree.

Project Case No.2: Mid-East Prison Installation

Setup a cylindrical communication tower. It is also very safe. But the cost remains expensive.

Project Case No.3: South America Prison Installation



Take use of the existing building to install the jammers. This cost will be lower to some degree.

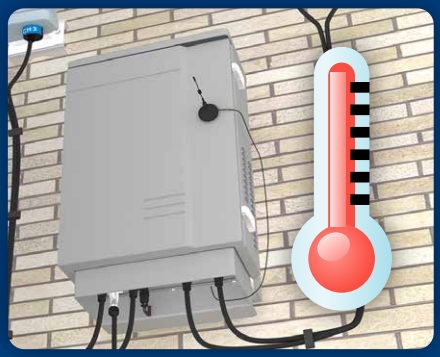
IX. ANGLE OF THE ANTENNA CAN BE ADJUSTED

Adjusting the angle of the antenna to get a better forward and backward jamming range .

X. FAILURE ALARM

Jammer Enclosure Opened Maliciously

RF Cables Cut Off Deliberately

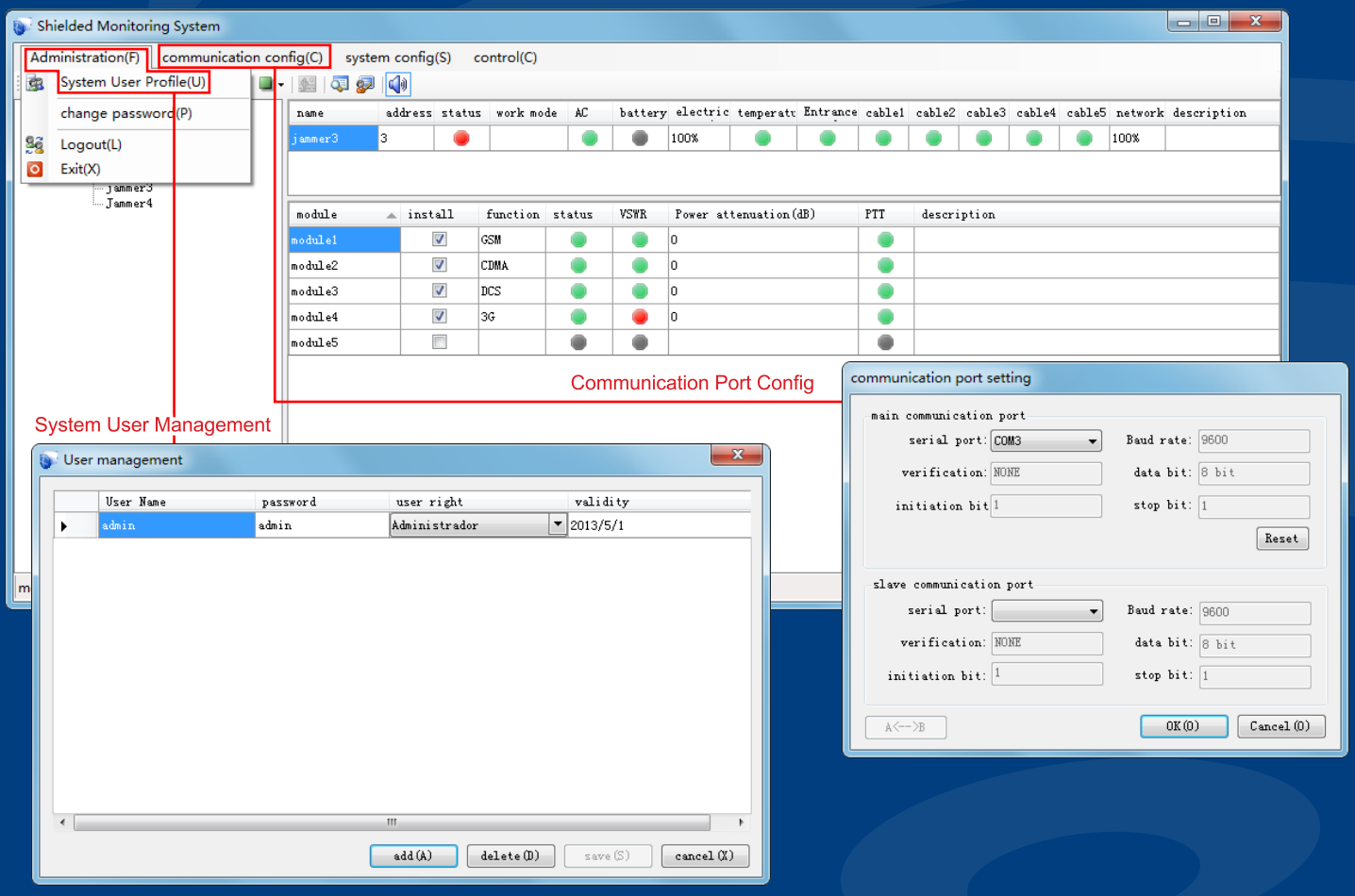


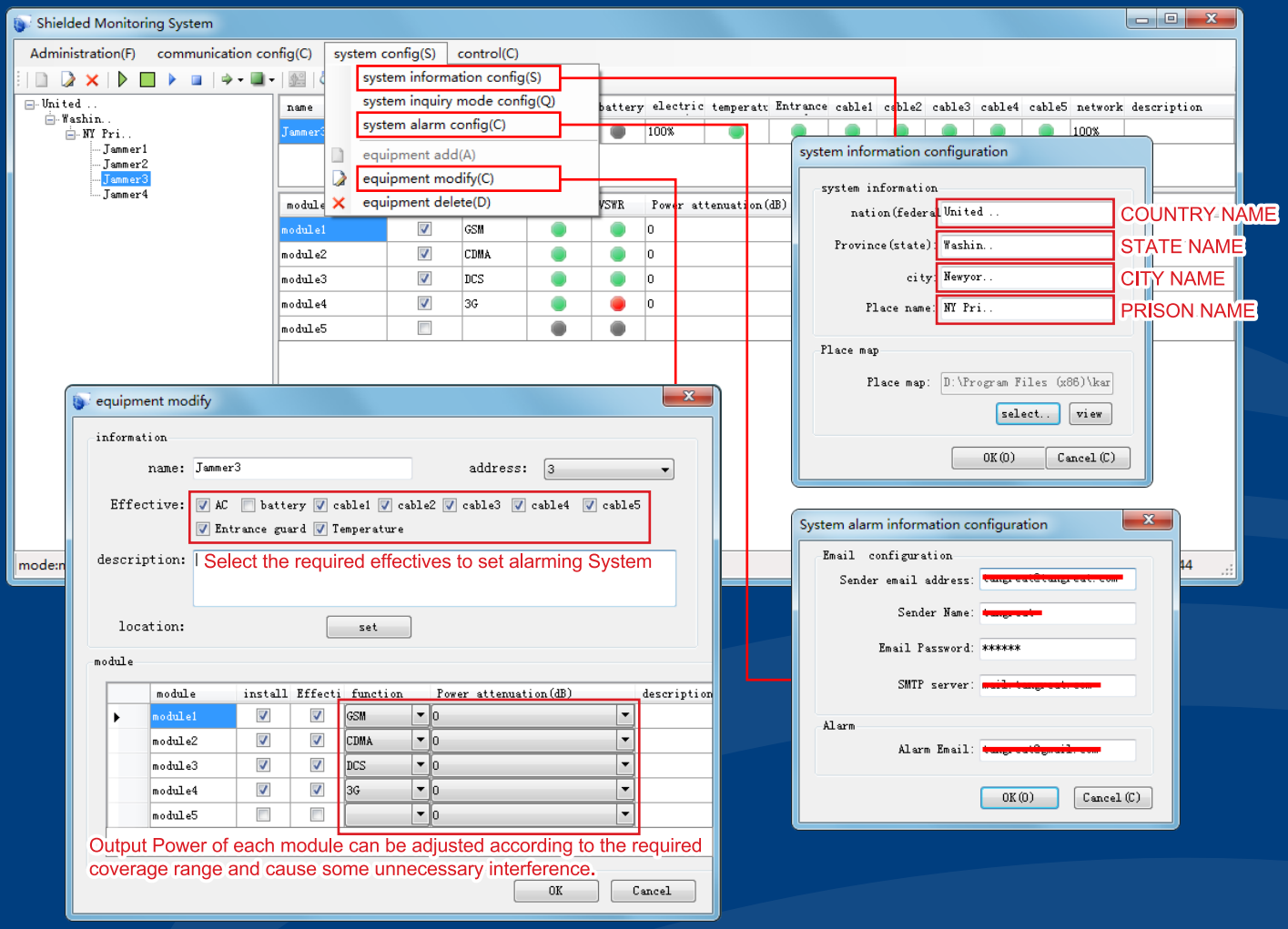
Over Temperature

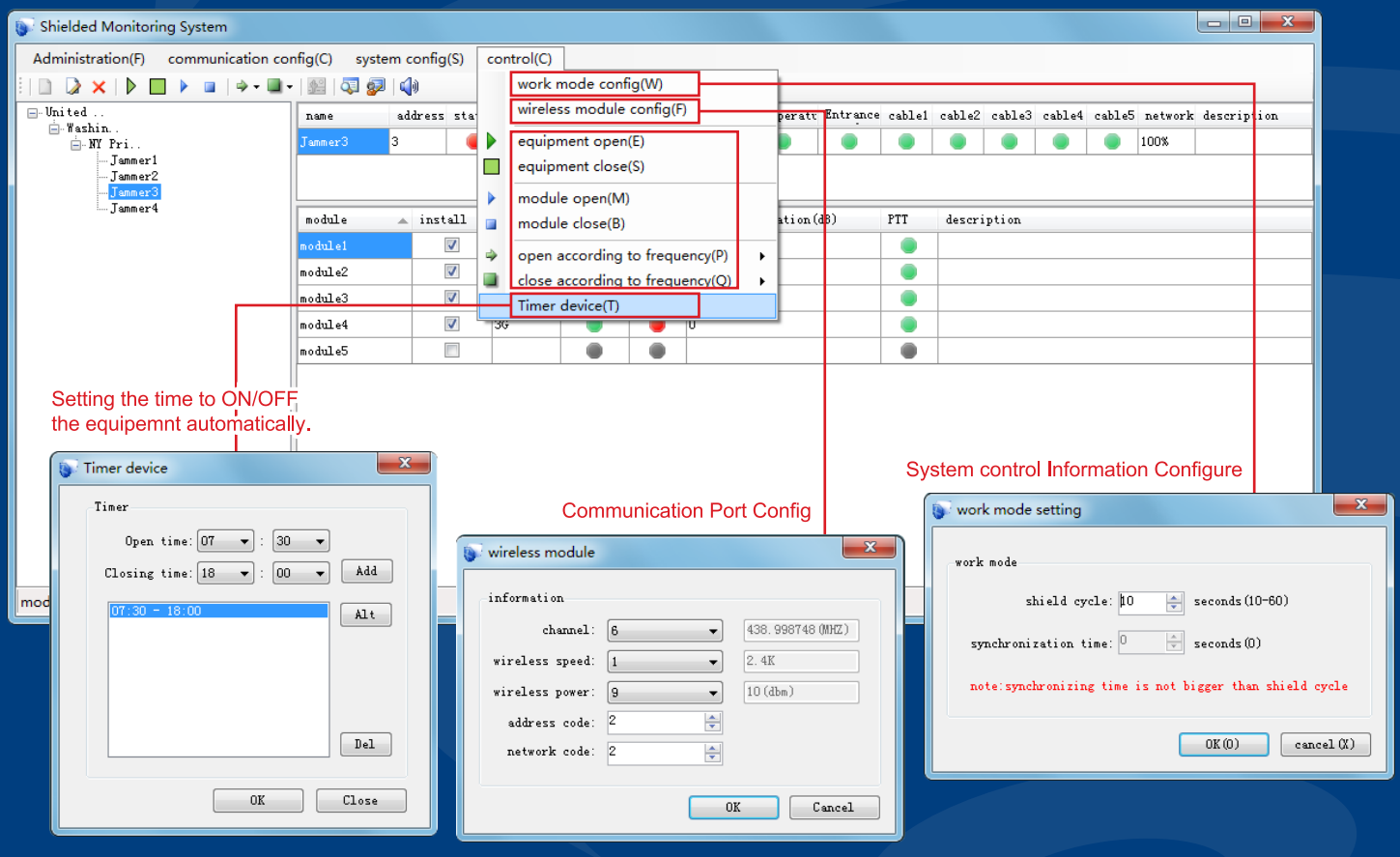
Modules Problems

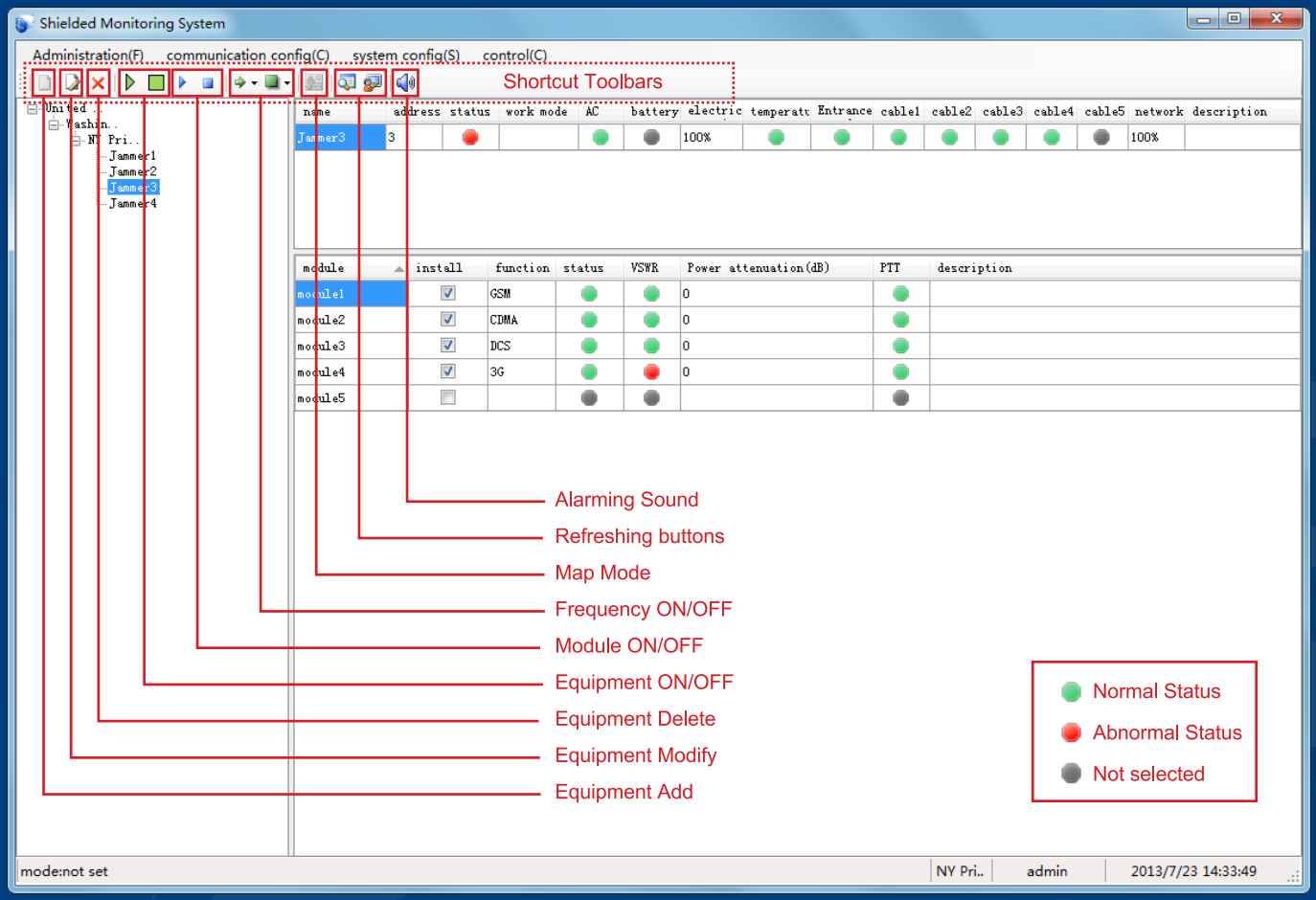
In case of the modules are broken, the alarm lights on the modules will be Red ON. The computer will also make an alarming sound.

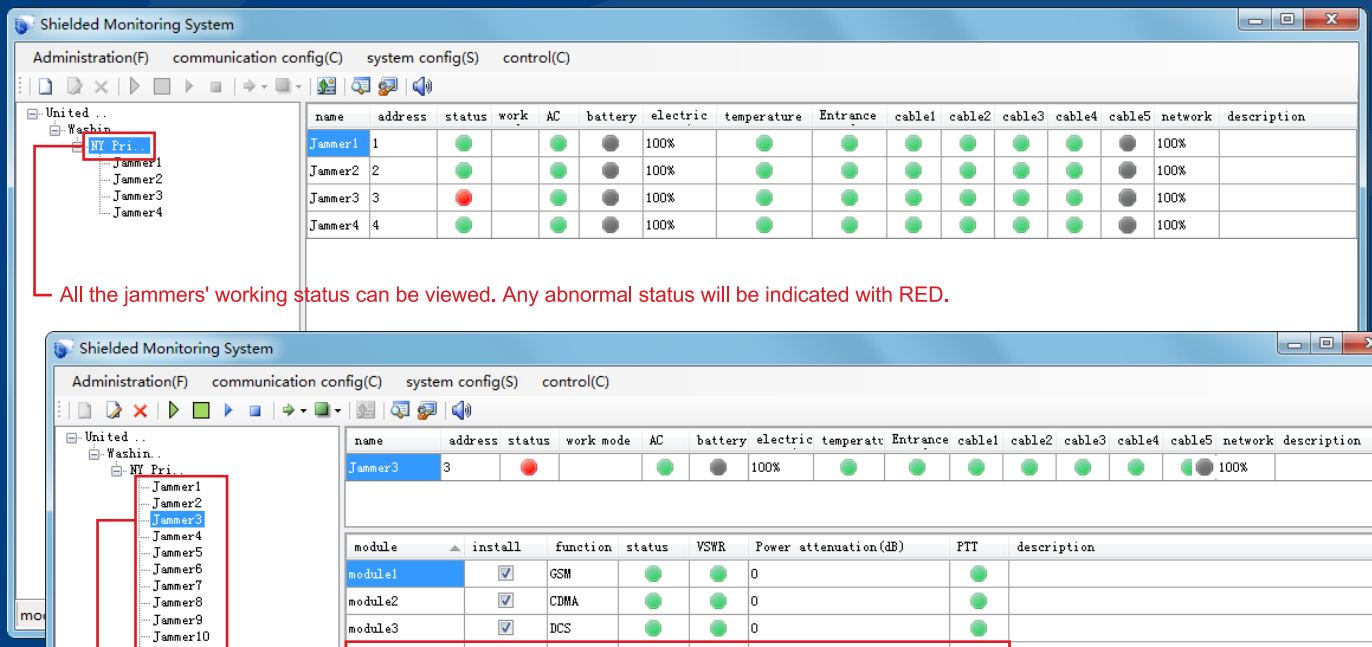
XI. LOGIN INTERFACE & OPERATING INTERFACE OF MANAGEMENT SOFTWARE




Shielded Monitoring System
Administration(F)
communication config(C)
system config(S)
control(C)
system information config(S)
system inquiry mode config(Q)
system alarm config(C)
equipment add(A)
equipment modify(C)
equipment delete(D)
system information configuration
system information
nation(federal): United ..
Province(state): Washin..
city: Newyor..
Place name: NY Pri..
COUNTRY NAME
STATE NAME
CITY NAME
PRISON NAME
Place map
Place map: D:\Program Files (x86)\kar
select..
view
OK(O)
Cancel(C)
equipment modify
information
name: Jammer3
address: 3
Effective: AC battery cable1 cable2 cable3 cable4 cable5 Entrance guard Temperature
description: Select the required effectives to set alarming System
location:
set
module
Output Power of each module can be adjusted according to the required coverage range and cause some unnecessary interference.
OK
Cancel
System alarm information configuration
Email configuration
Sender email address:
Sender Name:
Email Password: ******
SMTP server:
Alarm
Alarm Email:


Shielded Monitoring System
Administration(F)
communication config(C)
system config(S)
control(C)
work mode config(W)
wireless module config(F)
equipment open(E)
equipment close(S)
module open(M)
module close(B)
open according to frequency(P)
close according to frequency(Q)
Timer device(T)
Setting the time to ON/OFF the equipemnt automatically.
Timer device
Timer
Open time: 07 : 30
Closing time: 18 : 00
Add
07:30 - 18:00
Alt
Del
OK
Close
Communication Port Config
wireless module
information
channel: 6
438.998748(MHZ)
wireless speed: 1
2.4K
wireless power: 9
10(dbm)
address code: 2
network code: 2
OK
Cancel
System control Information Configure
work mode setting
work mode
shield cycle: 10 seconds(10-60)
synchronization time: 0 seconds(0)
note:synchronizing time is not bigger than shield cycle
OK(O)
cancel(X)

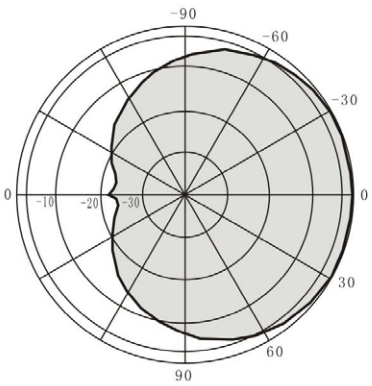

Shielded Monitoring System
Administration(F)
communication config(C)
system config(S)
control(C)
Shortcut Toolbars
Alarming Sound
Refreshing buttons
Map Mode
Frequency ON/OFF
Module ON/OFF
Equipment ON/OFF
Equipment Delete
Equipment Modify
Equipment Add
Normal Status
Abnormal Status
Not selected
mode:not set
NY Pri..
admin
2013/7/23 14:33:49


Shielded Monitoring System
Administration(F)
communication config(C)
system config(S)
control(C)
All the jammers' working status can be viewed. Any abnormal status will be indicated with RED.

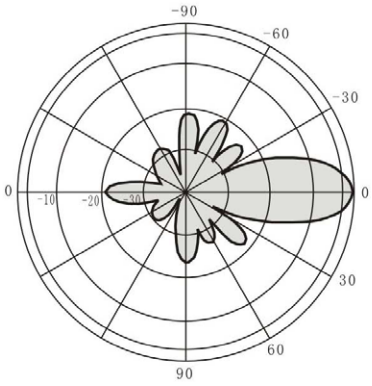

Shielded Monitoring System
Administration(F)
communication config(C)
system config(S)
control(C)
Check the equipment's abnormalty separately.
Several equipments inside the prison can be added and controlled in one central controll Room.
mode:not set
NY Pri..
admin
2013/7/23 13:53:24

XII. ANTENNAE SPECIFICATION

Directional Antenna



Horizontal Plane

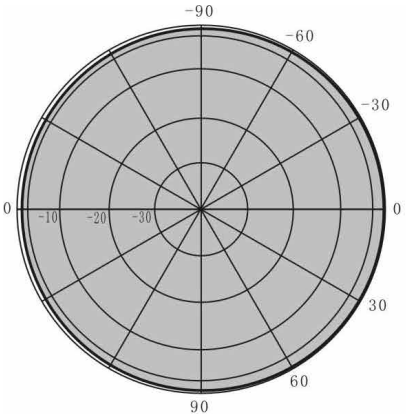


Vertical Plane

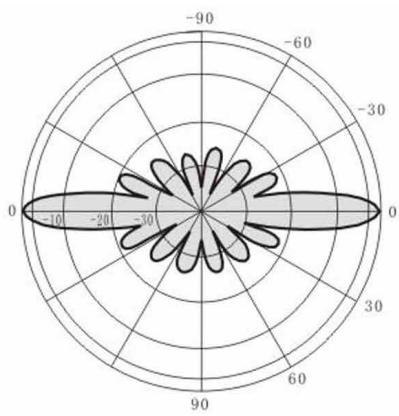
Directional Antenna Specification

Model	WF5-18DT			
Frequency Range	450-470MHz	725-960MHz 1805-1990MHz	725-960MHz 1520-2200MHz	725-960MHz 2300-2700MHz
	Single-band	Dual-band		
Input Impedance	50(Ω)			
VSWR	≦1.5			
(3dB)HPBW	65°H-plane 7°E-plane			
Maximum Power	500Watt			
Gain	5dBi	12-15dBi	15-18dBi	15-18dBi
F/B	>25(dB)			
Isolate	>28(dB)			
PIM	<-107(dBm)			
Cross Polarization	>15(dB)			
Polarization	Vertical Polarization			
Connector Type	N-K			
Lighting Protection	Direct Ground			
Wind Velocity	200(km/h)			
Weight	11KG			
Height*Width*Depth	125*290*90(mm)			
Hold Pole Diameter	φ50-φ100(mm)			

Omni Antenna



Horizontal Plane



Vertical Plane

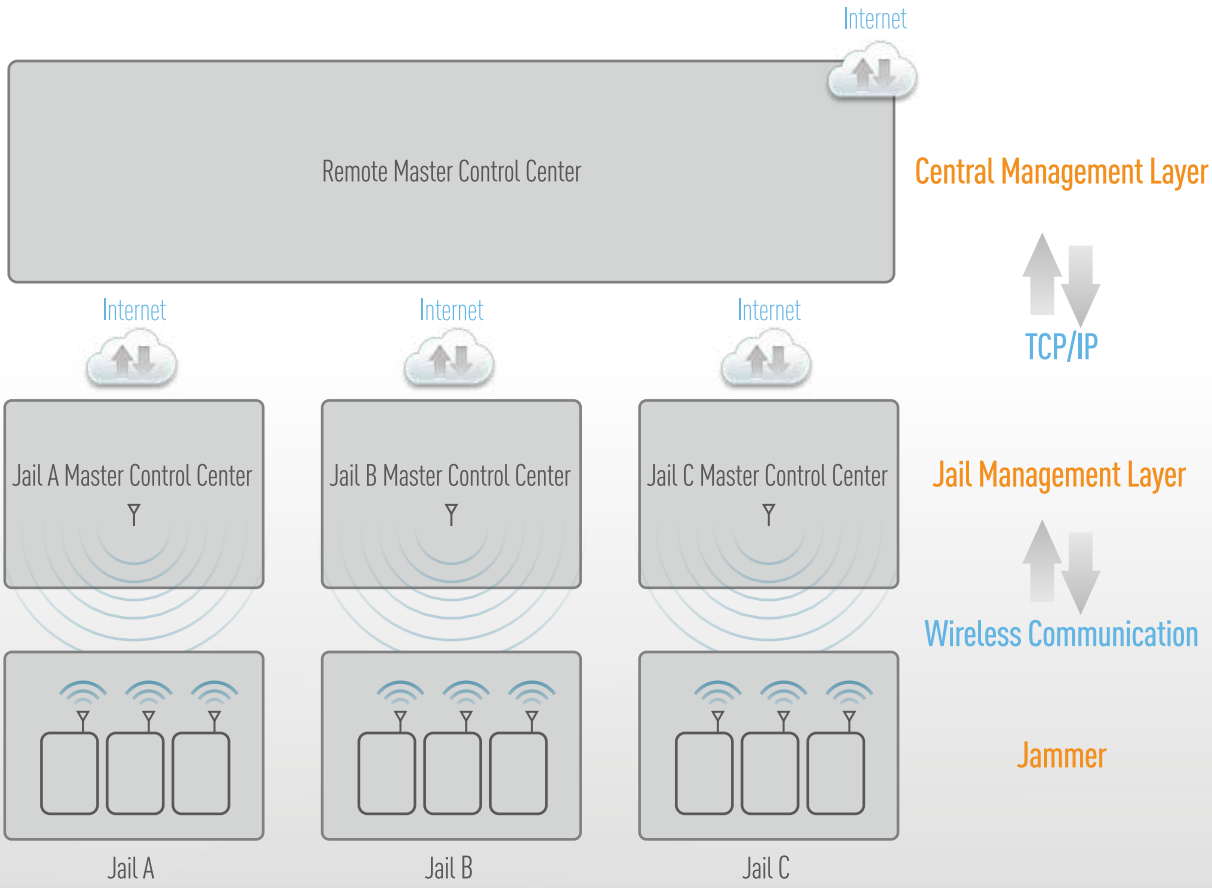
Omni Antenna Specification

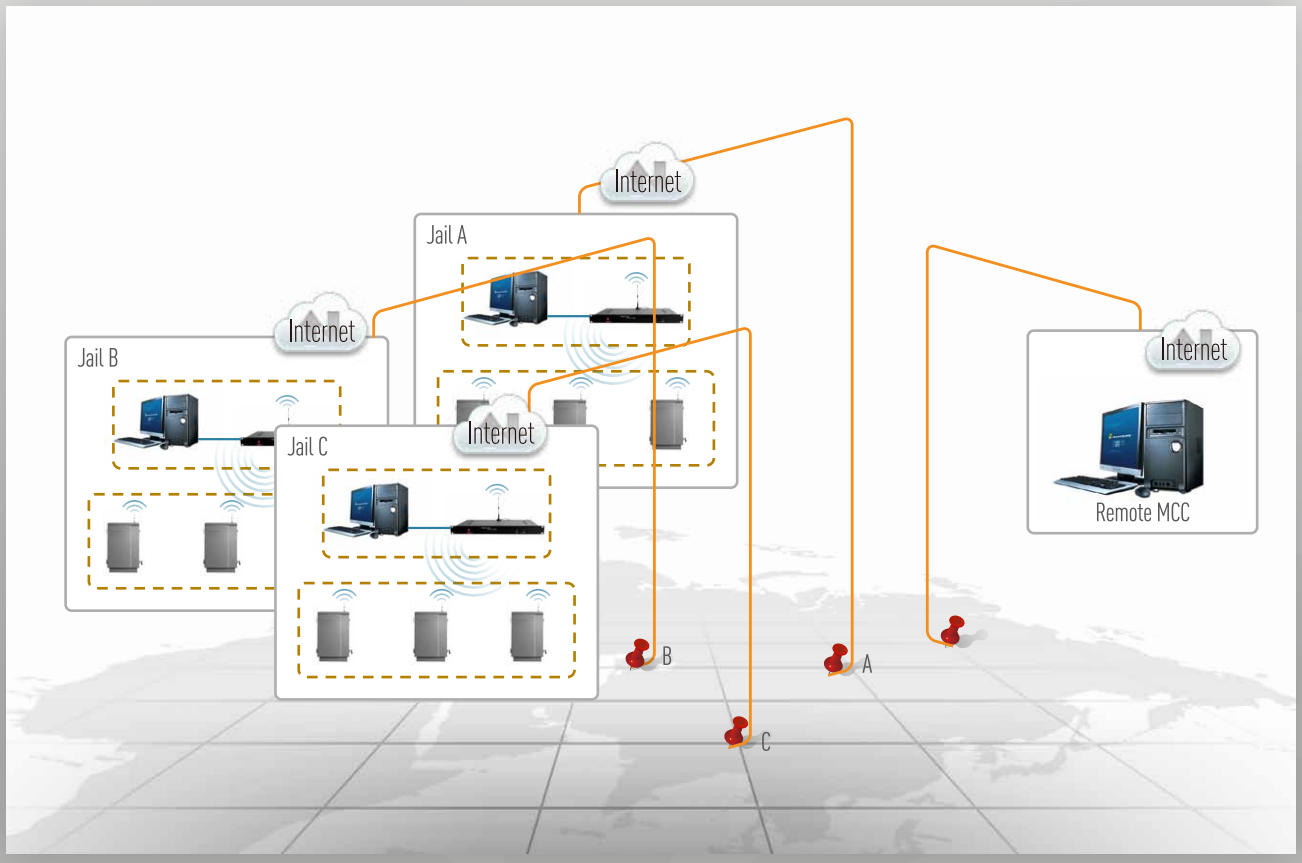
Model	WF3-120N			
Frequency Range	450-470MHz	725-960MHz	1520-2200MHz	2300-2700MHz
Input Impedance	50(Ω)			
VSWR	≦1.5			
(3dB)HPBW	35°E-plane			
Maximum Power	150Watt			
Gain	3dBi	5dBi	7-10dBi	10-12dBi
Polarization	Vertical Polarization			
Connector Type	N-K			
Lighting Protection	Direct Ground			
Wind Velocity	200(km/h)			
Length	1100-1300cm	650-950cm	650-1800cm	650-950cm
Hold Pole Diameter	φ33-φ36(mm)			

XIII. Complete Accessories

①Jammer, ②Directional Antennae / Omni directional antennae optional, ③AC power supply cable, ④case key, ⑤System Software file, ⑥Wireless router antennas, ⑦RS232 Com Cable, ⑧Wireless router, ⑨RF cables.

XIV. SYSTEM CONTROLLING NETWORK STRUCTURE DIAGRAM FOR A PLURALITY OF PRISONS





Wireless Explosion Prevention Expert

WolvesFleet

We Save Lives and Prevent leakage of confidence

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