

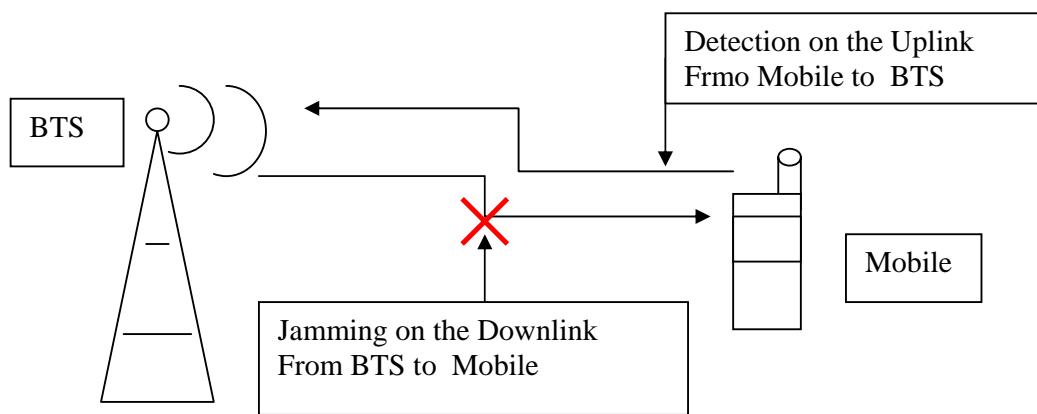
SIRJAM EVOLUTION

Mobile Phone Detection and Jamming

SIRJAM EVOLUTION

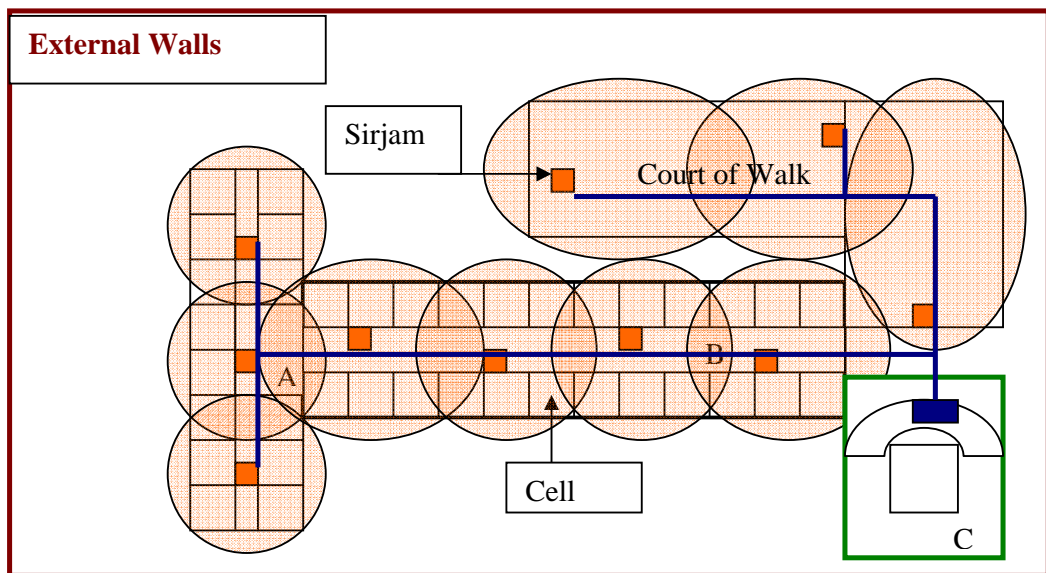
Cancellation of Mobile Phone Networks

SIRJAM EVOLUTION are specially designed and adjusted to detect the uplink of the emission of a mobile telephone towards the BTS and to scramble the downlink from the emission of the BTS towards the receiver of the mobile telephone on the whole of the bands allocated to the operators in GSM, DCS and UMTS and that on the definite zones of cover of the prison buildings. SIRJAM EVOLUTION is also envisaged with the option of full coverage of the band frequency of mobile telephony by satellites INMARSAT IRIDIUM THURAYA.



1. PRINCIPE

As of the detection of a signal coming from a mobile terminal of telephony in its zone of cover, SIRJAM orders simultaneously an emission of jamming sufficient and limited in time to inhibit the reception of the mobile telephone. The terminal is then rejected network. The duration of programmed emission makes it possible to escape the risk from interpretation from microcut on behalf of the network with maintains access which would make it possible, even without the mobile not transmitting, to receive a message of the BTS (ex: SMS).



A et B
Prisons Building

■ Sirjam

○ Jamming Area

C
Administration Offices

■ General PC Control of Detection and Events recording

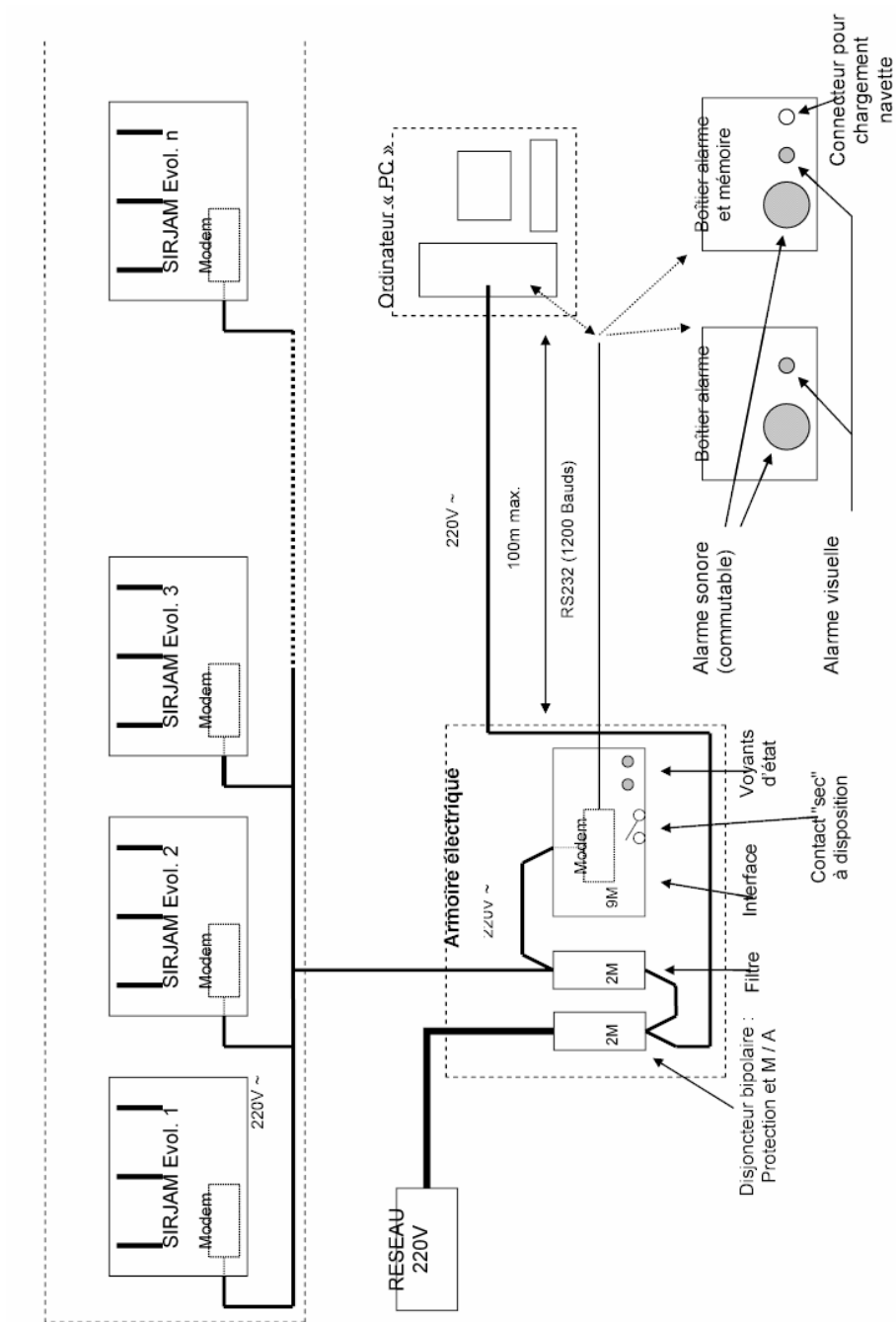
— Power Line and Databus link

2. FUNCTIONING :

(With option *MODEM and Computer Software*)

- Each SIRJAM of the Micro Cell Network (MCN) covers a area of detection and jamming. These areas are mixing in order to not leave any volume not protected.
- The transmission of information of alarms or malfunctions is sending in real time by current carrier through the unique cable for both Power line and Data.
- In service, the various apparatuses of the MCN are inter-connected and their respective states of operation or malfunctions are communicated to the power station of acquisition of alarms (cycles of auto tests in the event of breakdown, cut of energy programmed or not etc).
- Each apparatus has its data address. During mobile phone detection in its zone of cover, the concerned apparatus counteracts immediately by a jamming of a few seconds and transmits an identifiable alarm towards the PC of acquisition.

- General diagram of the operation of the Jammers installed in Micro Cell Networks.



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