

Smart Cellular Jammer - Technical Data

Very High Power

Up to 100W Output Power/Band

**Model SMJ1890 &
Model SMJ1880LT**



General Description

The SMJ1890 has been designed for blocking GSM cellular network and all kinds of cellular standards in the world.

The SMJ1890 is using state-of-art technology for maximum performance. The unit controlled by Microprocessor for PLL & DDS programming.

The unit has been designed with the capabilities of jamming specific channels inside the cellular networks bands only.

Jamming of downlink & uplink is possible in the same time.

The unit based on DDS that can be programmable to transmits up to 36 channels in the band, by fast sweeping between each other.

Channel bandwidth is 250 KHz, and can not be changed.

The user can control output power of each band by programmable attenuator.

Output power can be varied from 5W up to 100W within 1dB steps.

The SMJ1890 transmits noise signal which cut-off all cellular communication between mobile phones and cellular cells.

The jamming radius depends on the strength signal in given area.

All cellular mobile in vicinity of SMJ1890 will be totally BLOCKED and will not be able to receive or dial outgoing calls.

PHANTOM TECHNOLOGIES LTD.

68 AMAL ST., PETAH-TIKVA, ISRAEL

TEL. +972-3-9215720 FAX. +972-3-9215434

Web-Site: www.phantom.co.il



System Main Features

- Jamming up to 36 channels inside the cellular band
- Easy to use programming interface **only at SMJ1890 model**
- Programmable output power for each band **only at SMJ1890 model**
- High VSWR protection
- Built-in filter for minimum RF interference outside the jamming bands
- Up to 3 jamming bands inside the 19" Rack, 4U

Applications

- Prisons
- Military Units
- Special Police Units
- Governmental Facilities
- Etc.

PHANTOM TECHNOLOGIES LTD.

68 AMAL ST., PETAH-TIKVA, ISRAEL

TEL. +972-3-9215720 FAX. +972-3-9215434

Web-Site: www.phantom.co.il

Technical Specifications

RF Characteristics	
Max. Output Power per Band	100W
Min. Output Power per Band	5W
Output Power Control Steps	1dB
Internal Modulation	FM Hopping Frequency
Signal Source	DDS & PLL synthesized
Power Supply	12/28VDC regulated or 110/220VAC
Modules Per Unit	Up to 3 bands
Programming Control	RS232
Antenna	External - Directional 14 dBi gain or Omni-Directional Antenna outputs includes VSWR protector
Jamming Frequency Bands	Up to 3 Bands per 19" Unit
Frequency Bands	425-475 MHz 824-849/851-894 MHz 880-915/925-960 MHz 1710-1785/1805-1880 MHz 1850-1910/1930-1990 MHz 1920-1980/2110-2170 MHz
Channel Band Width	250KHz
Channel Spacing	200KHz
Air Interface Standards	Digital: iDEN, TDMA, CDMA, GSM, UMTS Analog: AMPS, MNT, N-AMPS, TACS
Maximum Sweeping Channels per Band	36
Physical Data	
Dimensions	500 x 430 x 180 mm
Weight	Approx. 20Kg
Environment of operation	
Operating Temp.	-10°C - +65°C
Humidity	5% - 80%
Optional Accessories	
Rechargeable Battery	24VDC / 70AH
Control Cable Via PC	LAN or RS232 – 9 pins CABLE

PHANTOM TECHNOLOGIES LTD.

68 AMAL ST., PETAH-TIKVA, ISRAEL

TEL. +972-3-9215720 FAX. +972-3-9215434

Web-Site: www.phantom.co.il