

PTO Form 1960 (Rev 9/2007)

OMB No. xxxx-xxxx (Exp. x/xxxx)

## Request for Reconsideration after Final Action

The table below presents the data as entered.

Input Field	Entered
SERIAL NUMBER	78590586
LAW OFFICE ASSIGNED	LAW OFFICE 108
MARK SECTION (no change)	
ARGUMENT(S)	
Please see the actual argument text attached within the Evidence section.	
EVIDENCE SECTION	
EVIDENCE FILE NAME(S)	
ORIGINAL PDF FILE	http://tgate/PDF/RFR/2008/02/04/20080204222035168905-78590586-004_001/evi_1-7011961147-215547262_._Argument-BombJammer.pdf
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	\\TICRS2\EXPORT15\785\905\78590586\xml1\RFR0005.JPG
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<b>DESCRIPTION OF EVIDENCE FILE</b>	Argument; evidence of third party non-use on similar products
<b>SIGNATURE SECTION</b>	
<b>RESPONSE SIGNATURE</b>	/Brian Gibbons/
<b>SIGNATORY'S NAME</b>	Brian Gibbons
<b>SIGNATORY'S POSITION</b>	Attorney
<b>DATE SIGNED</b>	02/04/2008
<b>AUTHORIZED SIGNATORY</b>	YES
<b>CONCURRENT APPEAL NOTICE FILED</b>	YES
<b>FILING INFORMATION SECTION</b>	
<b>SUBMIT DATE</b>	Mon Feb 04 22:20:35 EST 2008
<b>TEAS STAMP</b>	USPTO/RFR-70.119.61.147-2 0080204222035168905-78590 586-410df5d72bddfbel6b78c eb4b78d6ed4f3-N/A-N/A-200 80204215547262590

PTO Form 1960 (Rev 9/2007)

OMB No. xxxx-xxxx (Exp. x/xxxx)

**Request for Reconsideration after Final Action****To the Commissioner for Trademarks:**Application serial no. **78590586** has been amended as follows:**ARGUMENT(S)**

**In response to the substantive refusal(s), please note the following:**

Please see the actual argument text attached within the Evidence section.

**EVIDENCE**

Evidence in the nature of Argument; evidence of third party non-use on similar products has been attached.

**Original PDF file:**

[http://tgate/PDF/RFR/2008/02/04/20080204222035168905-78590586-004\\_001/evi\\_1-7011961147-215547262\\_.\\_Argument-BombJammer.pdf](http://tgate/PDF/RFR/2008/02/04/20080204222035168905-78590586-004_001/evi_1-7011961147-215547262_._Argument-BombJammer.pdf)

**Converted PDF file(s) (4 pages)**

Evidence-1

Evidence-2

Evidence-3

Evidence-4

**Original PDF file:**

[http://tgate/PDF/RFR/2008/02/04/20080204222035168905-78590586-004\\_002/evi\\_1-7011961147-215547262\\_.\\_Evidence-BombJammer-Meganet.pdf](http://tgate/PDF/RFR/2008/02/04/20080204222035168905-78590586-004_002/evi_1-7011961147-215547262_._Evidence-BombJammer-Meganet.pdf)

**Converted PDF file(s) (1 page)**

Evidence-1

**Original PDF file:**

[http://tgate/PDF/RFR/2008/02/04/20080204222035168905-78590586-004\\_003/evi\\_7011961147-215547262\\_.\\_Evidence-BombJammer-ThirdPartyUse-1.pdf](http://tgate/PDF/RFR/2008/02/04/20080204222035168905-78590586-004_003/evi_7011961147-215547262_._Evidence-BombJammer-ThirdPartyUse-1.pdf)

**Converted PDF file(s) (12 pages)**

Evidence-1

Evidence-2

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Evidence-5

Evidence-6

Evidence-7

Evidence-8

Evidence-9

Evidence-10

Evidence-11

Evidence-12

**Original PDF file:**

[http://tgate/PDF/RFR/2008/02/04/20080204222035168905-78590586-004\\_004/evi\\_7011961147-215547262\\_.\\_Evidence-BombJammer-ThirdPartyUse-2.pdf](http://tgate/PDF/RFR/2008/02/04/20080204222035168905-78590586-004_004/evi_7011961147-215547262_._Evidence-BombJammer-ThirdPartyUse-2.pdf)

**Converted PDF file(s) (10 pages)**

Evidence-1

Evidence-2

Evidence-3

Evidence-4

Evidence-5

Evidence-6

Evidence-7

Evidence-8

Evidence-9

Evidence-10

**SIGNATURE(S)**

**Request for Reconsideration Signature**

Signature: /Brian Gibbons/ Date: 02/04/2008

Signatory's Name: Brian Gibbons

Signatory's Position: Attorney

The signatory has confirmed that he/she is an attorney who is a member in good standing of the bar of the highest court of a U.S. state, which includes the District of Columbia, Puerto Rico, and other federal territories and possessions; and he/she is currently the applicant's attorney or an associate thereof; and to the best of his/her knowledge, if prior to his/her appointment another U.S. attorney or a Canadian attorney/agent not currently associated with his/her company/firm previously represented the applicant in this matter: (1) the applicant has filed or is concurrently filing a signed revocation of or substitute power of attorney with the USPTO; (2) the USPTO has granted the request of the prior representative to withdraw; (3) the applicant has filed a power of attorney appointing him/her in this matter; or (4) the applicant's appointed U.S. attorney or Canadian attorney/agent has filed a power of attorney appointing him/her as an associate attorney in this matter.

The applicant is filing a Notice of Appeal in conjunction with this Request for Reconsideration.

Serial Number: 78590586

Internet Transmission Date: Mon Feb 04 22:20:35 EST 2008

TEAS Stamp: USPTO/RFR-70.119.61.147-2008020422203516

8905-78590586-410df5d72bddfbe16b78ceb4b7

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The Examining Attorney has refused registration of the mark BOMBJAMMER on the grounds that the mark is generic. Applicant submits that this is not indeed the case, and requests that this rejection be reconsidered.

Whether a mark is generic is determined by examining two factors: "First, what is the genus of the goods or services at issue? Second, is the term sought to be registered ... understood by the relevant public primarily to refer to that genus of goods or services?" *In re Dial-A-Mattress Operating Corp.*, 57 USPQ2d 1807, 1810 (Fed. Cir. 2001).

Applicant would contend that the proper genus of its products are "IED Jamming Devices", which is the generic term it uses on its website, or "RF signal jamming device," since that would be a more accurate depiction of what is actually being jammed. At worst, Applicant notes that the examining attorney has noted a number of uses of the term "bomb jamming devices" (such as on the Netline website). Usage of the term "bomb jamming" as an adjective is de facto recognition of its descriptive nature, modifying the generic term "device".

The term "Bombjammer" is a vernacular term which suggests Applicant's products, or at worst, performs some descriptive function in the context of the products, but is not the literal genus of the products at hand.

Applicant has reviewed a variety of its competitors' product listing, and submits that a review of its competitors does not show use of the term "bombjammer" as a generic name.

As a short list, it submits the following names being used for competitive products, by the stated competitors (a copy of websites or other supporting materials, as printed out by Applicant on February 4, 2008, is attached):

- Advance Weapons – AWI- 500B
- Allen Vanguard: ECM Shield
- Atlant: ATI Ant
- BDL Systems: Mandrel
- Black Armor: Model 3260 3250
- Chatain-Blanchon S.A.: EPH Senes
- CPM Italy: CPM Series RadioJammer
- Elisra: Explosive pence Blast Protection – EJAB
- GSS Canada: EDD Jammer
- Guartel: Inhibitor B
- H.P Marketing: Jammer System HP 3250, HP 3260 HP 3260S
- Ibis Tek: Electronic Jammer IT4106 Disruptor
- MRCM: Compact EW System- CES
- Northrub Grumman: Symphony
- Ormic: BA2025
- Pelena: Pelena 7
- PW Allen : ECM Shield
- SCG: 025R Mobil Phone Jammer
- SDMS : PJS2 Portable Digital Jammer
- Security Pro USA : CTN Cell Jammer
- SESP/ESP: RF Jammers
- Shogi : Techwise CPD Mobil Phone Detector
- SIM : Imposter
- U.S : RIVA Networks : MLQ 1000
- U.S: Edo systems: Warlock Red/Green – Shortstop
- U.S: Empower: EA-X-IA Jammer System
- U.S: Pegasus: Jukebox

The examining attorney has forwarded several pieces of evidence to show that the term "bombjammer" is generic. Applicant submits that this evidence is inapplicable, as the majority of the evidence either refers to Applicant itself, or in some cases, shows use by foreign countries outside the U.S. Use in such foreign countries is inapplicable to determine what U.S. consumers consider to be the genus of the products at issue, and moreover, because trademark use is on a country-by-country basis, makes it difficult to determine whether such use is in a descriptive sense or a non-infringing trademark sense.

Pages 1-2 of the attachments to the Final Office Action reference Netline's webpage at netline.co.il. Use of this mark in Israel by an Israeli company (as evidenced by the co.il domain name) is not relevant to the issue of how U.S. consumers will view Applicant's mark.

Pages 3-6 reference Meganet Corporation's use of the BOMBJAMMER mark. While it is true that they use this name, a printout of their webpage (attached, as printed out by Applicant's attorney on February 4, 2008) shows that they are using it as a trademark, not a generic term. Meganet appears to be an infringer of Applicant's mark.

Pages 7-9 are from secintel.com, a subsidiary of Applicant and referencing Applicant's product, with the term being used as a trademark.

Pages 10-11 is a news article which quotes Applicant's president and references Applicant's BOMBJAMMER products (while it uses the trademark incorrectly, it is unfortunately not uncommon for newspapers or magazines to make such mistakes regarding trademarks).

Pages 12-13 shows the term Bomb Jammer being used by several Chinese or Korean companies, which being use outside of the U.S., is inapplicable to show how U.S. consumers will view Applicant's mark. It is also noted that the term appears to be used mainly as a search term keyword, which is not evidence of generic use, given the well-publicized cases of companies appropriating trademarks as keywords. In addition, most of the cited products do not use the word "bombjammer" or phrase "bomb jammer" at all. For the two that do, it is difficult to determine whether the term is being used as a trademark or not.

Page 14 shows the term GSM BOMB JAMMER being used by an Indonesian company, in a manner which is difficult (from the stilted English) to determine whether this is a trademark or descriptive term. In any event, its use outside the U.S. adds little to help determine the view of U.S. consumers of the term.

Pages 15-16 is a news article which quotes Applicant's president and references Applicant's BOMBJAMMER products (while it uses the trademark incorrectly, it is unfortunately not uncommon for newspapers or magazines to make such mistakes regarding trademarks).

Pages 17-18 are additional pages from Netline's webpage at netline.co.il. Use of this mark in Israel by an Israeli company (as evidence by the co.il domain name) is not relevant to the issue of how U.S. consumers will view Applicant's mark.

Pages 19-21 are pages from gizmodo.com, in which they use the term "cellphone bomb jammer" in a descriptive sense to refer a product that, from the article itself, clearly does not exist. It does not use the term in any generic sense to refer to any actual product.

Pages 22-23 are pages from an authorized distributor of Applicant's products, in which all references to BOMBJAMMER refer to Applicant's products.

Consistently, the TTAB and the courts have ruled that a mark may be more than the sum of its parts, and allowed registration of marks whose components may have been otherwise unregistrable:

- MIRACLESUIT is suggestive, even though each of its components are descriptive. *A & H Sportswear Co. v. Victoria's Secret Stores Inc.*, 52 USPQ2d 1143 (E.D. Pa. 1999);
- "Audit" and "Track" are descriptive, but AUDITTRACK is suggestive. *In re On Technology Corp.*, 41 USPQ2d 1475 (TTAB 1996), *unpublished*;
- "Ray" and "Ban" are descriptive, but when joined together by a hyphen, RAY-BAN becomes suggestive. *Bausch & Lomb, Inc. v. Nevitt Sales Corp.*, 26 USPQ2d 1275 (W.D. NY 1993);
- "Bee" is arbitrary and "Wear" is generic, but BEE WEAR is suggestive or arbitrary. *Banff Ltd. v. Federated Department Stores Inc.*, 6 USPQ2d 1187 (2<sup>nd</sup> Cir. 1988);
- THIGHSTIX for chicken parts is suggestive when taken in the entirety. *In re Hester Industries*, 230 USPQ 797 (TTAB 1986)
- CALIFORNIA COOLER is registrable, even though it is composed of a geographic and a generic term. *California Cooler, Inc. v. Loretto Winery Ltd.*, 227 USPQ 808 (9<sup>th</sup> Cir. 1985);
- LECTRO LOADER is suggestive, even though each of the words is descriptive. *In re Seibert & Sons, Inc.*, 165 USPQ 400 (TTAB 1970)
- "Technical" is descriptive and "Trend" is generic, but TECHNICAL TREND is suggestive. *Ex parte Colvin, Mendelhall & Co.*, 98 USPQ 415 (Comr. 1953)
- PHOTO-ELECTRODE SYSTEM is suggestive, even though each of the three components is descriptive. *Ex parte Minneapolis-Honeywell Regulator Company*, 99 USPQ 422 (Comr. 1953)
- "Cotton" and "Tips" are both descriptive, but COTTON TIPS can still function as a trademark. *Q-Tips, Inc. v. Johnson & Johnson*, 95 USPQ 264 (D.C. N.J. 1952);
- FOOD FAIR is registrable, even though both words are generic. *Food Fair Stores, Inc. v. Food Fair Inc.*, 83 USPQ 14 (1<sup>st</sup> Cir. 1949);

Applicant contends that this is the case here, that even if one can point to definitions of the term "bomb" and "jammer," the combination thereof creates a mark which is at worst descriptive.



The Board has consistently ruled that, even if individual components are generic, that is, in and of itself, not sufficient evidence that the combination thereof is generic.

In a recent decision of *In re PayClerk*, Serial No. 76-594440 (TTAB 2007), the Board ruled that the mark PAYCLERK was not generic for payroll services, stating that:

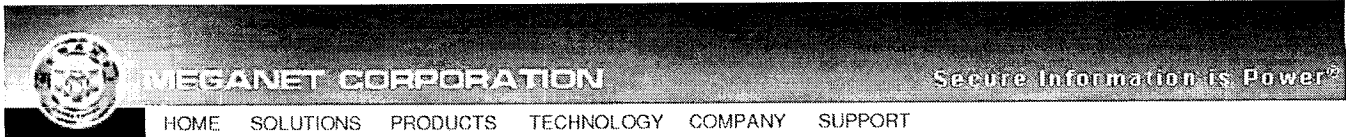
“[A]lthough the terms “PAY” and “CLERK” may be generic for, respectively, giving and receiving payments and a person who works in an office keeping records, correspondence and filing, the record falls short of establishing that the compound word PAYCLERK, comprised of those individual terms, is generic.

This is not a case where the Office has clearly proven that the designation as a whole is no less generic than its constituents. While PAYCLERK may be an apt name for a person who works in an office performing various recordkeeping, filing and correspondence tasks that may include payroll services, the evidence does not show that it is used as a generic name for such services.”

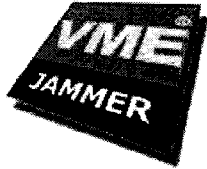
*In re PayClerk*, at 7-8.

Finally, Applicant notes that doubts as to the distinctiveness of a trademark should be resolved in favor of the applicant by allowing publication of the mark for opposition. *See In re Morton-Norwich Products, Inc.*, 209 USPQ 791 (TTAB 1981).

As the Applicant has addressed all issues raised by the examining attorney, it is respectfully requested that the application be approved for publication. Should you have any questions or require additional information, please do not hesitate to contact the undersigned.



## PRODUCTS



VME

Jammer™

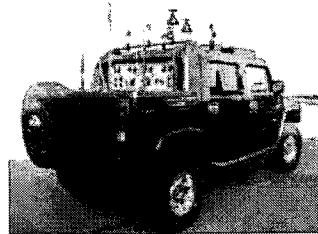
### Protecting Communication and Physical Assets

Today's global tensions require federal agencies to effectively manage risks and protect critical assets. Our full line of signal jammers provides the ability to block unwanted signals from secure areas – providing protection against radio controlled Improvised Explosive Devices (IEDs) and assurance against eavesdropping.

## VME RF & BOMB JAMMERS™

### VME Terminator H2 Bomb Jammer

1,500 Watts RF Output - 20-6,000 MHz Broadband Jammer. VME H2 SUT Vehicle Mounted Ultra high Power Jammer Works well with all known radio frequency standards Vehicle mounted with the ability to switch on and off any individual or combination of frequencies good for vehicle convoys, and rolling protection. Different vehicles and configurations available



Please contact Meganet for detailed specifications and more product information.

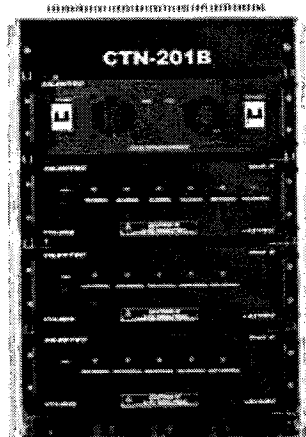
### Authorized Agencies

JAMMERS ARE FOR SALE ONLY TO UNITED STATES GOVERNMENT AGENCIES (having an authorization from the National Telecommunications and Information Administration in accordance with the Manual of Regulations & Procedures for Federal Frequency Management) & EXPORT CUSTOMERS.

### CTN-200 Series

ULTRA HIGH POWER BROAD BAND BOMB JAMMER. Ultra High Powered Multiband Mounted Works well with all known radio frequency standards Scalable with Extended range, good for Installations, Buildings, open areas surrounding buildings and similar.

(20-3000 MHz)



### CTN-115BJX

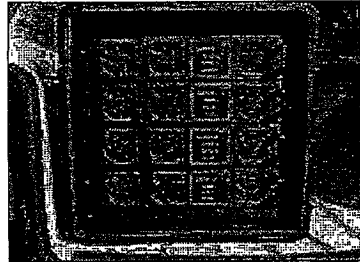
VERY HIGH POWER PORTABLE VHF/UHF JAMMER. Very High Power Multiband Portable Works well for Walkie Talkie, Car Alarms, Remote Controlled Toys. Extended ranges for open areas.

(66-88 MHz & 130-180 MHz & 380-530 MHz)

# 00-600-2121CX3 ECM Shield (Jammer)



Designed for deployment in either a vehicle or static at a venue, this jammer targets the core threat frequencies currently faced by VIP's and security forces and provides a high degree of protection against Radio Controlled Improvised Explosive Devices (RCIED's).



Modular style in 9U 19" rack mounting case L72 x W53 x H49 cm, weight 76kgs.  
Split configuration rack mount also available to suit saloon cars.

**Configuration:** 4 sub-modules each addressing a specific band of the RF spectrum. The signal in each band is generated by a fast sweep source which is then routed through a driver amp, power amp and matched antenna to ensure efficient amplification and emission.

Frequency Range (MHz)		Output Power (Watts)
Module 1 (VHF)		
20	200	100
Module 2 (UHF)		
200	500	100
Module 3 (Common VHF/UHF Threat Booster)		
135	175	60
290	340	30
400	470	45
Module 4 (Spasband GSM)		
900 (GSM)		100

**Total output power:** 435 Watts

Total Power Consumption: 1.74KW  
Maximum current required: @ 12V – 145 Amps\*  
@ 24V – 72.5 Amps\*  
Specify vehicle voltage on ordering

*\* Note: Output Power/ Current Drain can be factory adjusted to meet vehicle power supply limitations if necessary.*

**Control:** The system is controlled by a hand held remote console that is hard wired into the jammer.

*Due to continual product development descriptions and specifications are subject to change without prior notification.*



ALLEN-VANGUARD

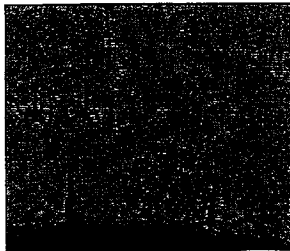
Email: [sales@pwallen.co.uk](mailto:sales@pwallen.co.uk) - [sales@allen-vanguard.com](mailto:sales@allen-vanguard.com) - Website: [www.allen-vanguard.com](http://www.allen-vanguard.com)

AV

# 00-600-2121CX3 ECM Shield (Jammer)



**Antennas:** To efficiently emit the RF power across the spectrum each sub-module must have its own antenna. Consequently, six antennas are required, all omni-directional, with mounts and cables to suit installation on the roof of a vehicle. Additional static antenna sets are also available along with directional antennas if required.



## **Operating Environment:**

Maximum operating temperature: 40C.

The jammer will generate a significant amount of heat when it is operating. It is essential that the carrier vehicle be adequately ventilated/ air conditioned to maintain the air temperature within specified operating limits.

## **Vehicle Installation:**

All cables, fixing brackets, straps and antennas are supplied for vehicle installation. Details of deployment vehicle preparation can be provided on request. An in-country vehicle installation service is also available from our own engineers if required.

## **Options:**

In addition to the basic vehicle system we will be pleased to quote for:

- Static venue installation antenna set
- Portable antenna set
- Directional antennas
- Static venue mains power supply
- Vehicle installation

*Due to continual product development descriptions and specifications are subject to change without prior notification.*

130602 v.01



**ALLEN-VANGUARD**

EMAIL [sales@pwallen.co.uk](mailto:sales@pwallen.co.uk) - [sales@allen-vanguard.com](mailto:sales@allen-vanguard.com) - Website [www.allen-vanguard.com](http://www.allen-vanguard.com)

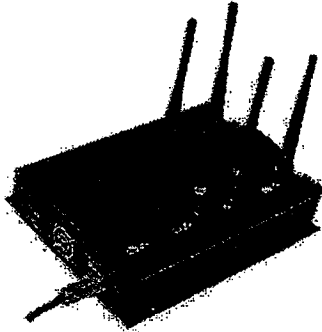




931 Albion Avenue  
Schaumburg, Illinois 60193  
United States of America

Phone: 847-584-1000 Fax: 847-584-9951  
www.antennasystems.com

### Antenna Systems® Radio Frequency Jammers (Breakers, Immobilizers)



Antenna Systems & Supplies Company recognizes the need of many government and federal law enforcement agencies requiring a communications "dead zone".\*

We are pleased to offer the following Antenna Systems® radio frequency jammer models for your review. We also offer custom solutions for your application. Please contact us for pricing\* information or any other questions you may have.

### Antenna Systems® RF Jammer Models RFJ7, RFJ8, RFJ9, RFJ10

#### Specifications:

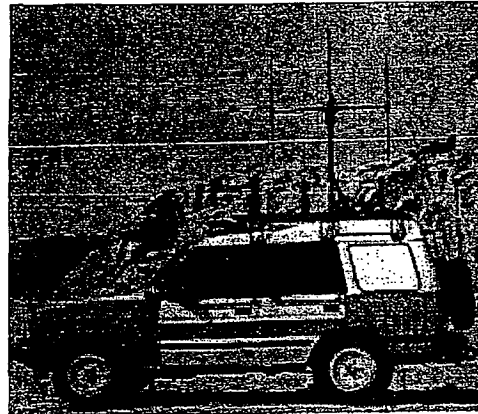
Model	TX Frequency	Power
RFJ7	134 - 174 MHz 400-512 MHz	8 watts / channel ** (Customizable)
RFJ8	20-54 MHz 134-200 MHz 200-400 MHz 400-512 MHz	8 watts / channel ** (Customizable)
RFJ9	VHF (134 - 174 MHz) 800 MHz 900 MHz 1800 MHz 2100 MHz	8 watts / channel ** (Customizable)
RFJ10	UHF (134 - 174 MHz) 800 MHz 900 MHz 1800 MHz 2100 MHz	8 watts / channel ** (Customizable)
RFJ11	20 MHz - 3 GHz	Per request
RFJ12	20 MHz - 12 GHz	Per request

\*\* Please contact us if your needs are >-80dB in the location or any other custom inquiries\*\*

\*JAMMERS ARE FOR SALE ONLY TO UNITED STATES GOVERNMENT AGENCIES & EXPORT CUSTOMERS. EXPORTS ARE REQUIRED TO HAVE STATE DEPARTMENT APPROVAL (EXPORT LICENSE) - NO EXCEPTIONS.

## **Mallet - Broad Band Radio Frequency Jammer**

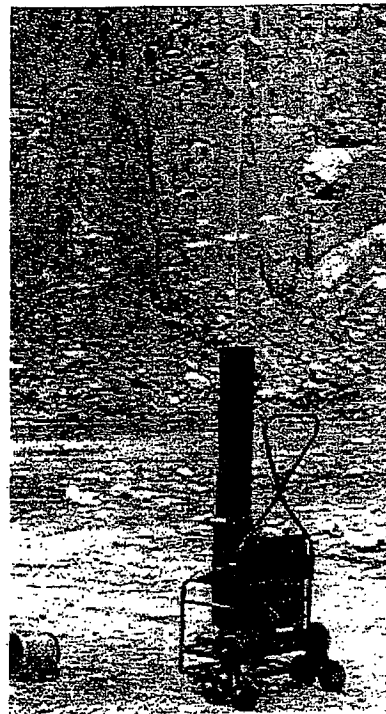
An effective commercial jammer available for vehicle installations, with software programmable communication windows. The fast sweep ECM system covers the frequency range 20-1000MHz in three bands, allowing 360° protection (or alternative directional format) from RCIEDs and other RF based devices (eg pagers, telephones, etc).



## **Mandrel - Portable Broad Band Radio Frequency Jammer**

Designed to provide the user with a safe and reliable fast sweep jamming system (20 - 500MHz).

Easily transported by hand or with a wheeled trolley.

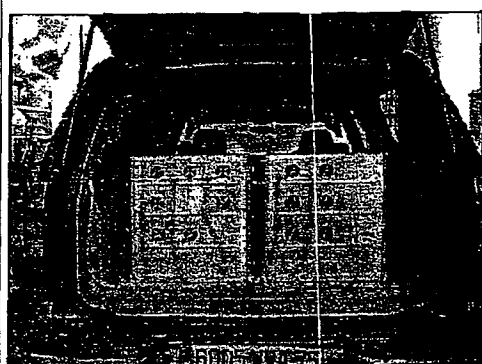
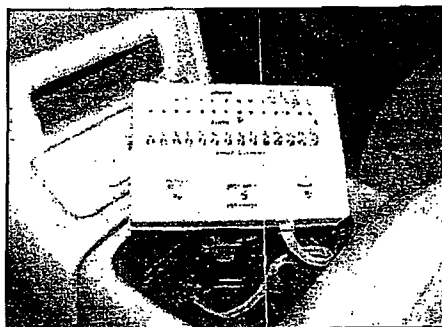
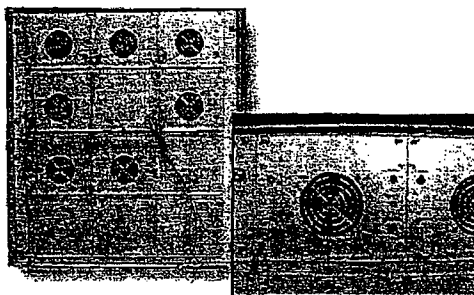


## EPB Series Jamming Systems

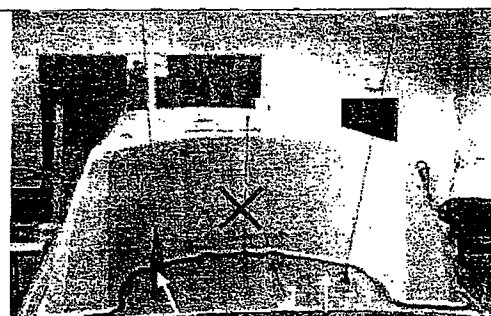
Internal Settings of EPB in GMC

EPB 14 Bands fitted on GMC Suburban XLE

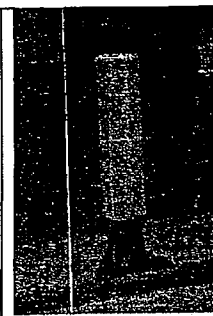
### Details of the Setup on a GMC



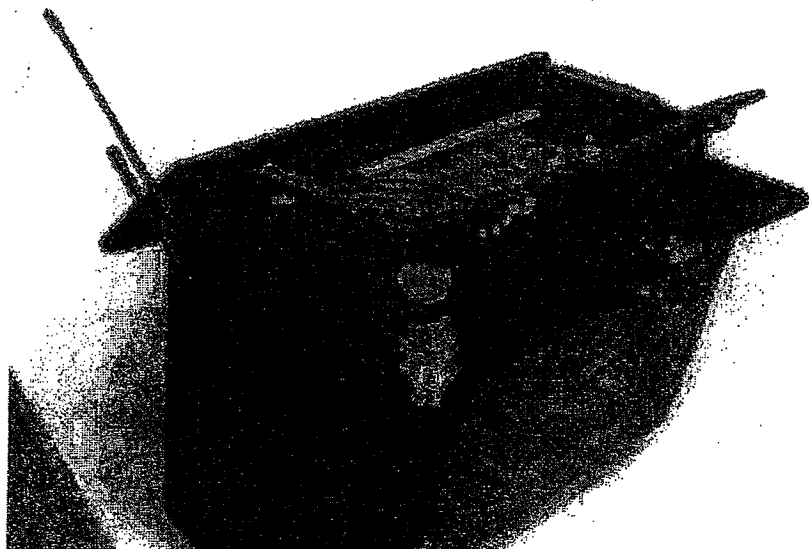
20-40 MHz (L=2m)



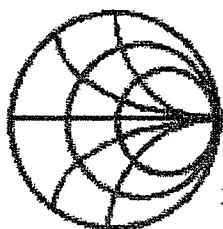
40-80 MHz et 80 - 100 MHz



Satellites  
1500-1630 MHz



ORDER CODE: CPM-049 THREE BANDS



**CPM**

**elettronica e  
telecomunicazioni**

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[www.cpmelettronica.com](http://www.cpmelettronica.com)

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mobile 0039-347-3315944

Rome Italy

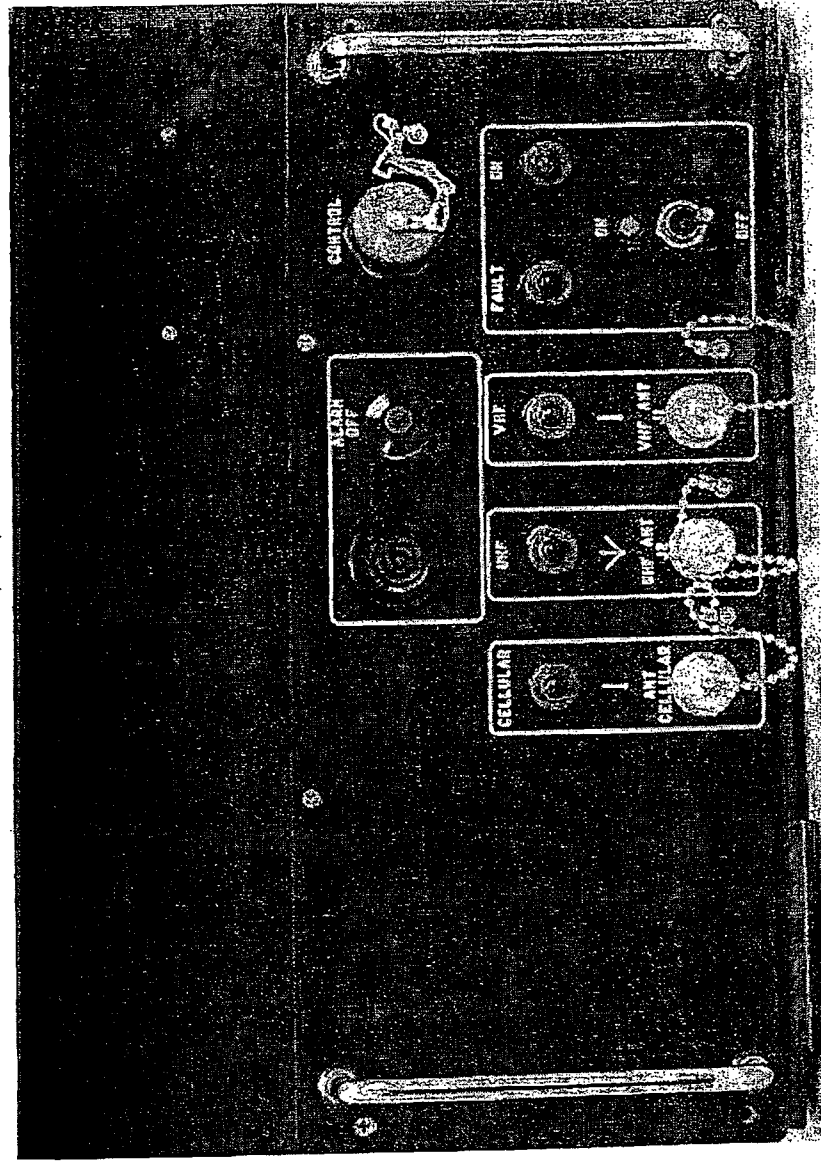
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# EXPLOSIVE DEVICE BLAST PROTECTION

## MULTI BANDS EDBPS UNIT - EJAB



*Elisra Microwave Division*

## Preliminary Data

The EA-X-1A is suitable for ultra broadband high power applications; the amplifier utilizes high power Silicon MOSFET devices that provide wide frequency response and dynamic range, high gain, low distortions, and good linearity. Employing advanced broadband RF matching networks and combining techniques, EMI/RFI filters, and all qualified components achieve exceptional performance, and high efficiency. The system includes a universal voltage, single phase, power supply and a built in forced air-cooling system. Empower RF's ISO9001 Quality Assurance Program assures consistent performance and the highest reliability.

- Instantaneous ultra broadband
- Small and lightweight
- 50 Ohm Input/Output impedance
- High reliability and ruggedness

### ELECTRICAL SPECIFICATIONS @ 110VAC, T=25°C, 50Ω system

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	2	0.5-1100	1200	MHz
Output Power CW	P <sub>Sat</sub>	50	70		Watt
Antenna power handling	CW		200		Watt
Power Gain @ 1dB G.C.P	G <sub>1dB</sub>	46			dB
Jamming range		N/A	20	50 +	Mi
Small Signal Gain Flatness	ΔG		±1.5	±2.0	dB
Gain Adjustment Range	FGA	25			dB
Input/Output VSWR	S11/S22	-10			dB
Noise Figure	NF		10		dB
Receiver - superhet		0.5		1100	MHz
Operating Voltage (single phase)	VAC	100		240	Volt
AC Power Consumption @ 50Watts CW	P <sub>0</sub>		-	605	Watt

### ENVIRONMENTAL CHARACTERISTICS

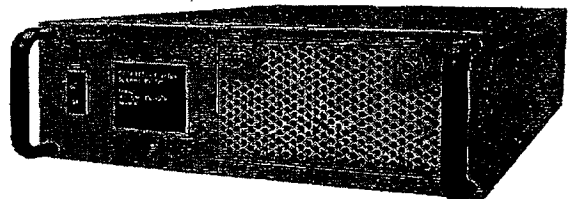
Parameter	Symbol	Min	Typ	Max	Unit
Operating Temperature	T <sub>c</sub>	0		+50	°C
Non-operating Temperature	T <sub>stg</sub>	-40		+85	°C
Relative humidity w/o condensation	RH	95			%
Shock and Vibration	SH / VI		Airborne		

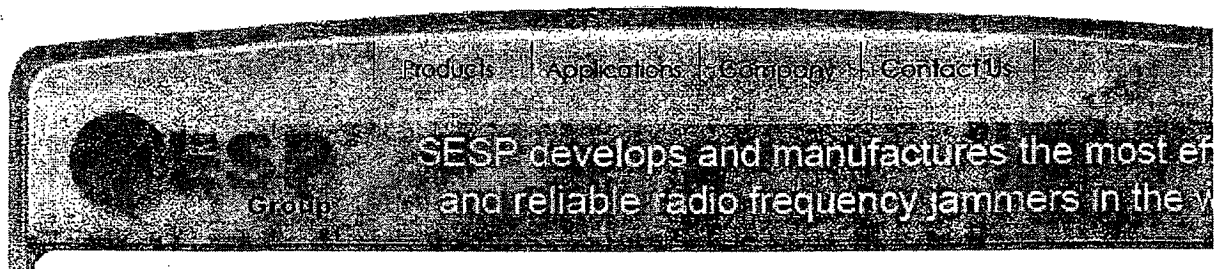
### MECHANICAL SPECIFICATIONS

Parameter	Value	Units	Limits
R5U Dimensions	19 x 5.25 x 22	Inch	Max
Weight	40	lb.	Max
RF Connectors	Type-N female		
Cooling	Built in internal forced air cooling system		

### PROTECTIONS

Input Overdrive	+10dBm		Max
Thermal Overload	85°C shutdown		Max





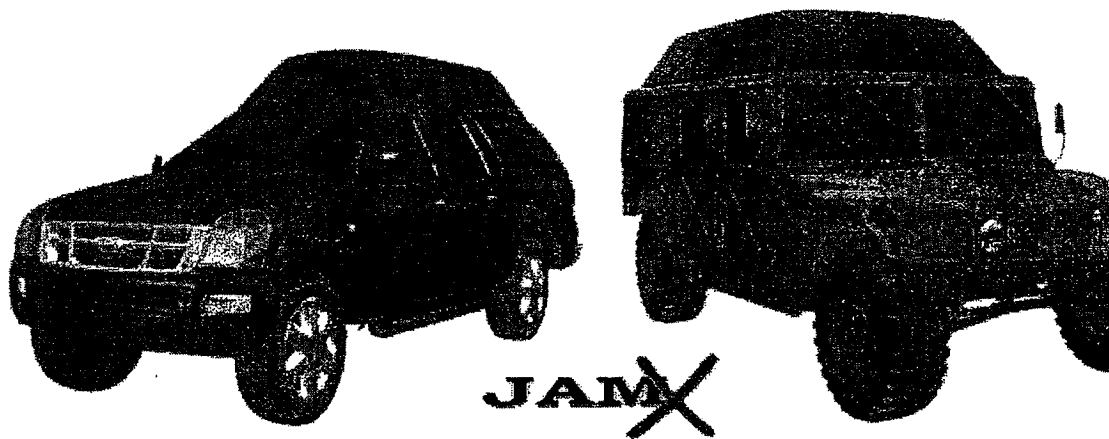
## Advanced Convoy Protection

Protecting military and VIP convoys from the threat of Remote Control Improvised Explosive Devices (RCIEDs) – has become a top priority in many parts of the world.

SESP is pleased to offer a selection of turn-key, "ready-to-drive" solutions to the threat of road-side bombs. These vehicles converted by SESP into dedicated, traveling bomb jammers implementing the most effective and reliable jamming technology available anywhere.

## JAMX

Although it looks like a normal vehicle traveling in the convoy, JAMX has been specially customized to accommodate a broad-band bomb jamming system covering simultaneously the full spectrum of radio frequencies from 20MHz to 3000MHz. No gaps are left that might be used by a terrorist to detonate an RCIED. A set of high-gain omni-directional antennae – covertly located in a roof extension – transmit the jamming signal up to a combined total output power of 1310 watts. This turn-key solution contains its own powerful independent generator and an integrated cooling system.



For military use, JAMX is fully integrated into a customized Hummer vehicle. For civilian applications, a 4x4 SUV vehicle is used, such as the Isuzu D-Max or Toyota Hilux. Constructed in a completely covert manner with all antennae, plus generator and battery back-up system hidden from view, JAMX is disguised to appear as a troop carrier or VIP convoy transport.

JAMX is designed to ensure continuous effective jamming protection while in transit, including all-weather capable jamming system will operate continuously in all weather and road conditions. JAMX ensures that your military

# INHIBITOR-B

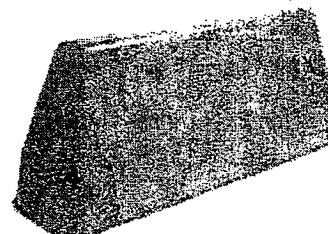
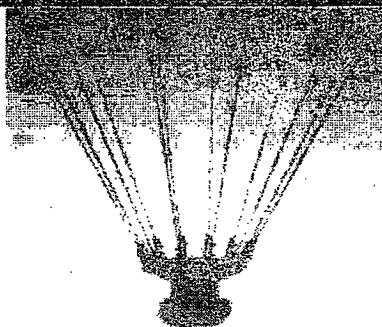
## BroadBand ECM Equipment

### Antenna Selection Guidelines

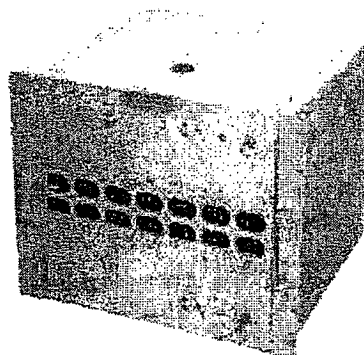
To obtain the most effective protection, while minimizing unwanted exposure of the ECM equipment, any sub-band jamming transmitter should be connected to an effective antenna, providing the omni/directional coverage. All antennas must be suitable for the type of vehicle and usage pattern thereof. Military antennas must operate under harsh environmental conditions as per MIL-STD-883C for vibration & shock. BroadBand antennas for civil vehicles must be concealed while maintaining proper gain, polarity and directional radiation pattern.

Following are military ECM antennas we are offering. Other antennas are available depending upon customer specific requirements and vehicle type.

Antenna band	100-500 MHz
Pattern	Omnidirectional
Max. power	500W
Size (height)	60 cm



Band (MHz)	0.5W	50W	100W
0-1000		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0-500		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
500-1000		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
100-500		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
50-100	<input checked="" type="checkbox"/>		
100-1000		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

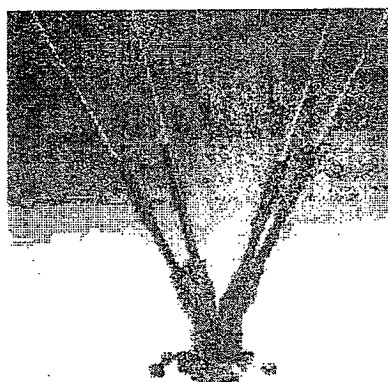


Antenna band	500-1000 MHz
Pattern	Omnidirectional
Max. power	1KW
Size (LxHxW)	73x34x21 cm

1. Side view of the antenna showing the mounting bracket and the feed cable connection point.

2. Top view of the antenna showing the mounting bracket and the feed cable connection point.

Antenna band	20-100 MHz
Pattern	Omnidirectional
Max. power	1.5KW
Size (height)	152 cm



Antenna band	30-88 MHz
Pattern	Omnidirectional
Max. power	70W
Size (height)	100 cm



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57, Madina Centre, Bagmati, Tbilisi, Georgia  
Tel: +994 (0) 20 638 3800 Fax: +994 (0) 20 638 3800  
Email: Sales@guartel.com, Sales@info@guartel.com, info@guartel.com

## Guartel

**HP**

Company

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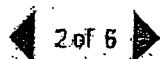
JAMMER SYSTEM

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Greckoppol 9  
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Fax: 0049 (0) 4533 4535  
Mail: hp-marketing@t-online.de



# HP Marketing & Consulting

## INTRODUCTION TO THE NEW JAMMER SYSTEM

HP 3250  
HP3260  
HP3260 S



HP Marketing & Consulting presents the most advanced jamming system against terrorist's improvised bombs today's market.


After many years of research and development, the former generation of this system proved its reliability: many installations all over the world.

For several years these units have been providing outstanding security to the public. Like bulletproof vests, armoured cars, or even simple things like safety belts, airbags, ABS and side-impact every driver of today's modern cars, this system offers additional safety and security that will often go unrecognized.

Nobody knows, however, what would have happened, if all this were not included in a security and protect life. We have to face so many threats today; threats that are often extremely violent and have no regard for human life. In fact, it is often a goal to destroy this

Leading persons such as statesmen, politicians and other important human beings, have to bear this additional daily lives.

It is, of course, not possible to protect against every danger that might occur. Everyone who is familiar with philosophies and techniques knows this fact.

  
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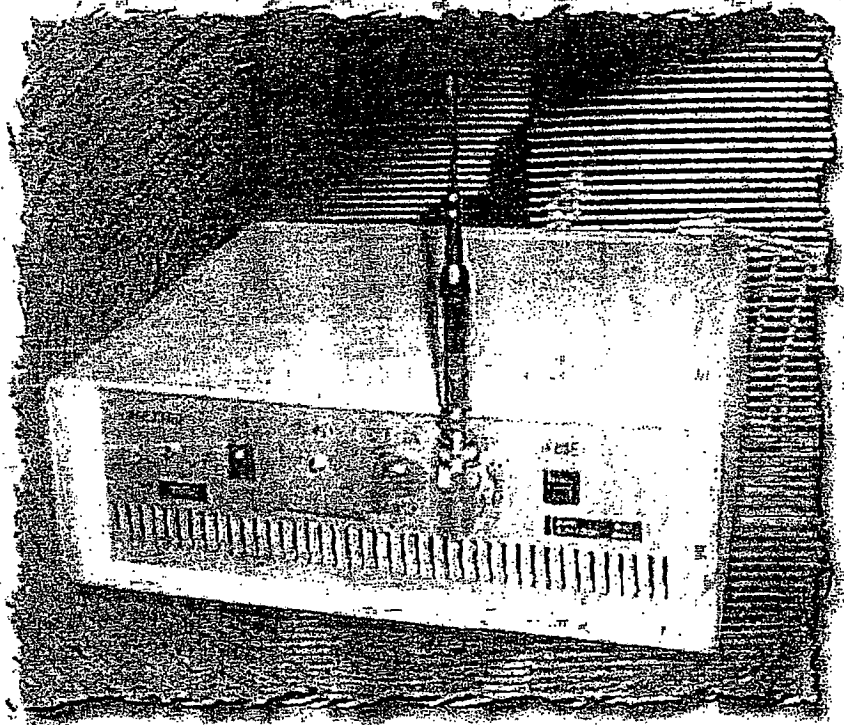
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CONSULTING WUST GMBH  
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Großdörfel  
24558 Niebüll / Germany  
Tel: 0049 (0) 4533 70 31 - 0  
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mail: hp-marketing@online.de

◀ 1 of 2 ▶

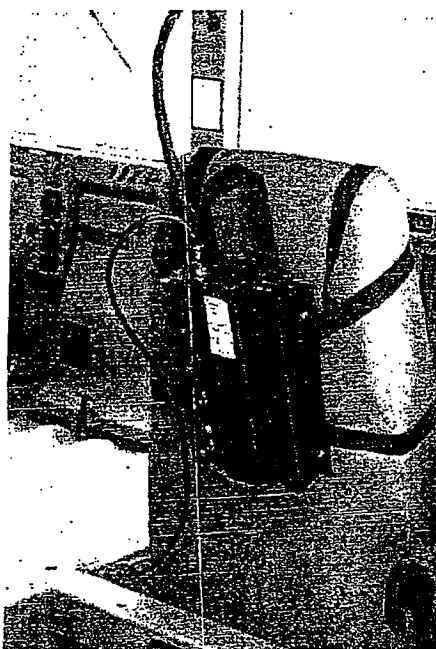
## H.P. Marketing & Consulting

# HP 3960

Anti Surveillance Sweep Jammer for rooms



# Model IT 4106 Disruptor



## *Model IT 4106 Multi-band Signal Jamming Device*

The IT4106 Jammer provides four (4) channels of continuous jamming with four dedicated oscillators in the bands of 860-885, 925-965, 1800-1950 and 2100-2200 MHz. Each band is swept upwards and downwards in each modulation cycle and this is repeated tens of thousands of times per second. Additional jitter is impressed upon the modulation and this further confounds data transmission and error correction. The IT4106 operates from either 12 or 24 VDC power supplies. The unit is housed in a ruggedized housing and incorporated forced convection cooling.

### *Multi-band Signal Jamming Device*

CDMA	860 ~ 885 MHz
GSM	925 ~ 965 MHz
DCS.DHS.PCS	1800 ~ 1950 MHz
3G	2100 ~ 2200 MHz

### *Features:*

- Effective jamming range 210 Feet and beyond depending on tower location and power variables etc.
- Selectable Low power mode at 8 watts for 35-75 feet of close internal jamming coverage
- All frequencies in region of operation are continuously jammed (true multi-band jammed)
- External antenna options allow for greater coverage
- Portable and light weight for rapid installation and vehicle transfer
- LED power indicator
- Low amperage draw not to exceed 3 amps

*Use of this equipment is restricted to Approved Government, Law Enforcement and Department of Defense Personnel*

**Ibis Tek**



The CES0512 can be supplied with an integral active GPS antenna and receiver. An extended frequency module is also available that provides transmission capability in the 880-960, 1710-1880, 1215-1620 and 1850-1990MHz ranges. (This module replaces the standard 27-512MHz transmitter module.) A Booster Unit (WBA0174) is also available to increase the output power to 100W (27-174MHz). A Booster Unit for the CES0512 (WBA0512) is currently under development and is expected to be available in the second half of 2005.

### The Functions

Controlled from an intuitive, Windows-based GUI running on a standard PC or laptop, and communicating through either a direct serial cable connection or via a radio link, CES units can perform a diverse range of tasks including:

#### Wideband Jamming

Simultaneous jamming of up to five frequency bands, each up to 10MHz wide, located anywhere in the operating range. Specific frequencies and bands can be marked as protected and automatically avoided to prevent accidental interference.

#### Response Jamming

The unit scans a list of target channels and intelligently applies jamming to only those that show activity. Look-through techniques are used to allow the unit to continue to monitor target signal status during jamming.

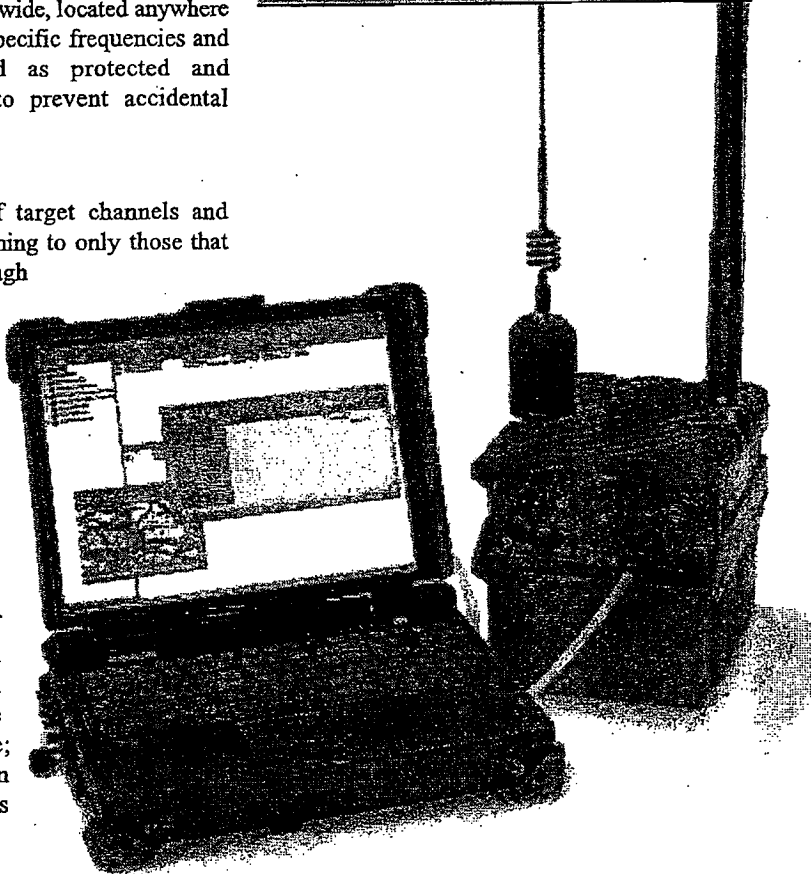
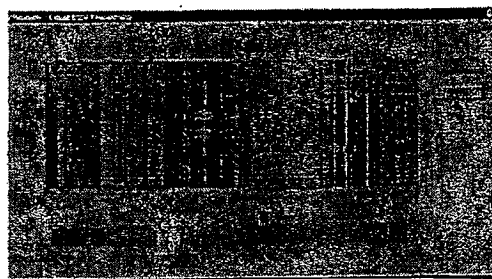
#### Audio Interference Jamming

A target channel is jammed by a fixed frequency carrier over-modulated by a series of audio signals. Standard PC .WAV audio files can be downloaded into the unit for this purpose; alternatively the unit can record audio off-air via its built-in receiver.

### Receive Modes

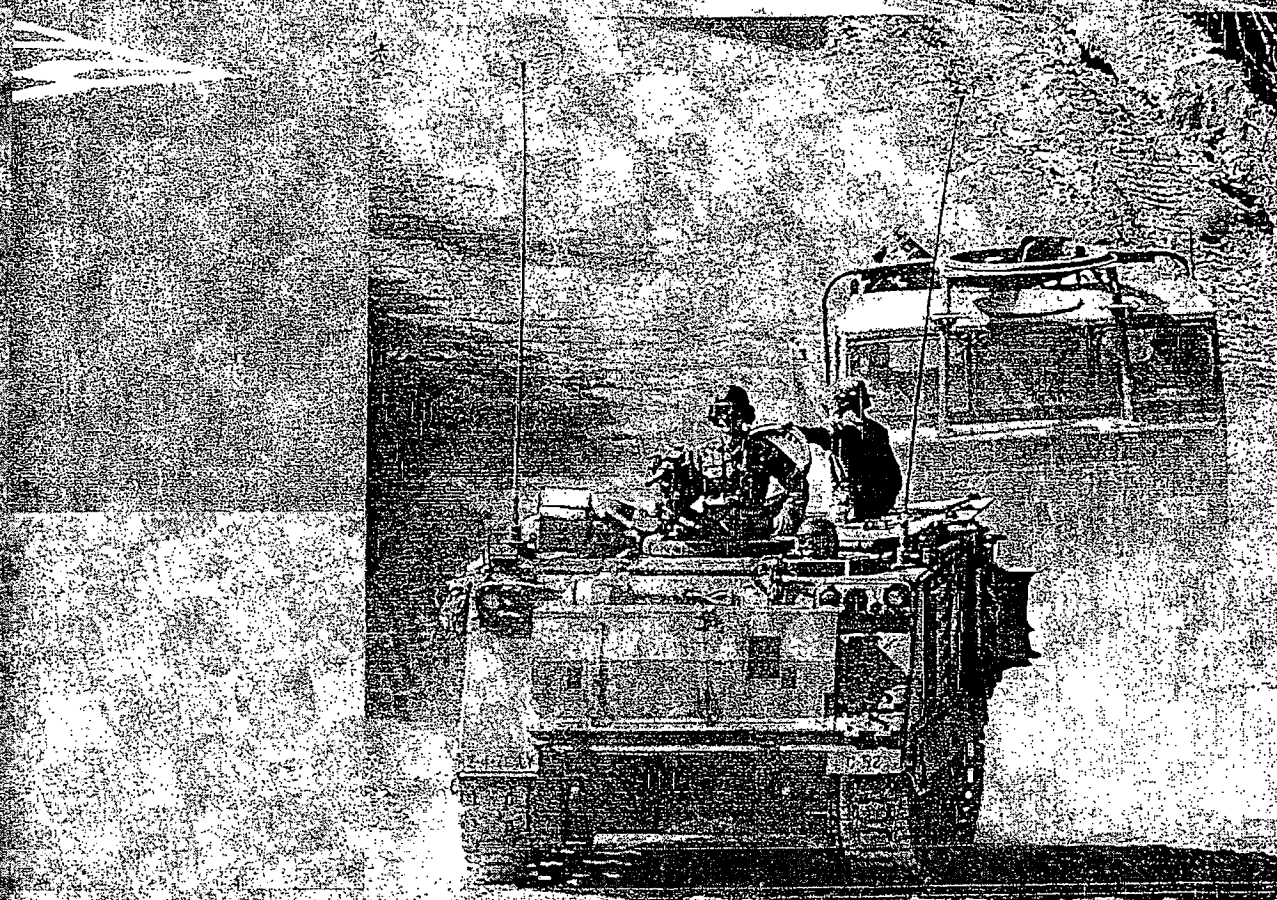
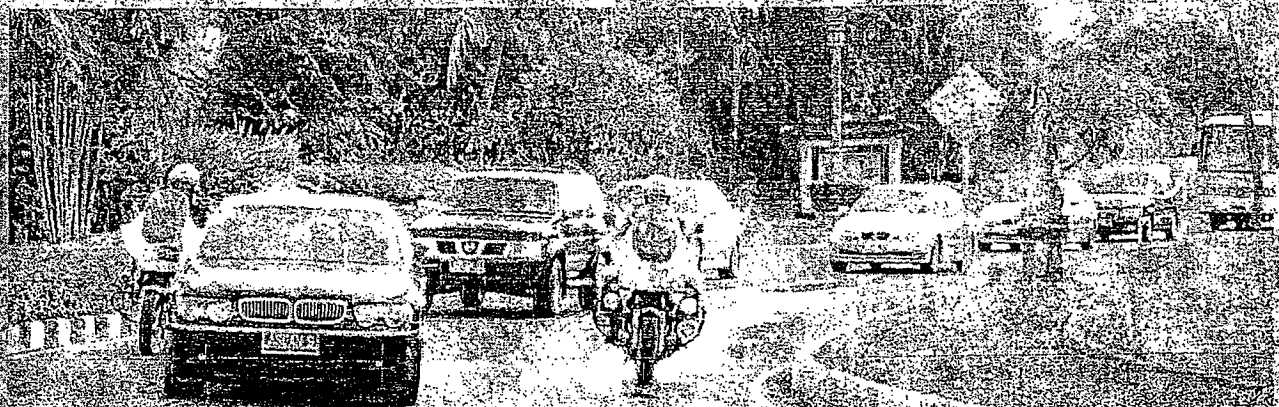
Local and remote ESM modes are provided, allowing the unit to scan all or part of the spectrum and forward data to the GUI to produce a real-time waterfall display of signal activity across the band. A unit can also act as a simple tuneable FM receiver, allowing an operator to monitor any channel using a standard CNR handset.

Using ESM mode to give a real-time Waterfall display of signal activity across the band.






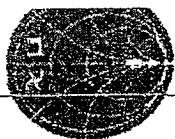
# ECM-Guard Broadband Jamming System



**Communication.  
Detection.  
Jamming.**

**NETLINE**

 **NetLine**



## PRODUCT DESCRIPTION

### BA-2025

The BA-2025 is a compact, programmable, multi-frequency RF leakage test system

The BA-2025 is ideal for high power leakage testing of target systems for compliance.

Frequencies are programmable via standard USB interface. The desired frequencies and modulation characteristics are programmed via a windows GUI interface. The User has access to all parameters such as frequency, step size, modulation type, etc. The GUI uses a simple mouse driven menu system that is quick to learn.

Key advantages to the BA-2025 are:

- Universal USB interface for ease of programmability
- Unique multiplexing scheme to minimize peak power usage thus maximizing battery life
- Wide frequency coverage and modulation techniques
- Single wide-Band antenna for minimal external setup

## PRODUCT SPECIFICATIONS

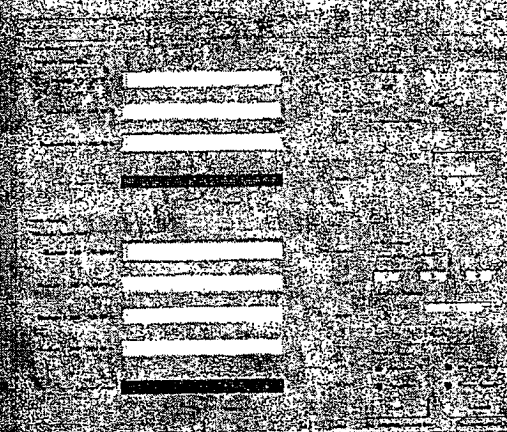
- **Voltage Input** - +12V available also from Vehicle Battery.
- **Temp Range:** -20°C to +50°C
- **Current consumption:** 70 Amps Max.
- **Output Power:** 100 Watts +/- 1 dB
- **Output Frequency Ranges:**
  - **BAND1- AMP1** 25-50MHz  
50-100MHz  
100-200MHz  
200-500MHz  
500-650MHz  
650-1000MHz
  - **BAND2- AMP2** 1000 - 2500MHz
- **Modulation Techniques:** CW Power (AM), Sweep (FM,FSK), PCM, PSK, Dwell Time/Frame Rate, Step.
- **Amplitude Modulation** 32 dB dynamic range step attenuator per Band programmable 0.5dB steps per time slot.
- **Resolution:** 12.5KHz steps
- **Sweep Time:** 34 msec total, 1msec step.
- **RF outputs:** 20MHz-1GHz & 1-2.5GHz into a single antenna.
- **Connector Interface:** SMA receptacle.

### BA-2025

## RFI Leakage Tester System

### Features

- Compact size (26W, 21H, 31L)
- Low weight 6 Kgs
- Rugged & portable
- Single +12V power input available from car battery
- Completely integrated RF Synthesizers and processor
- Simple windows GUI for loading of desired frequency profiles
- Supports Multiple modulation Techniques
- 100W Peak Output Power



### Contact Info:

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## PEGASUS RF SUPPRESSION SYSTEM – "JUKEBOX"

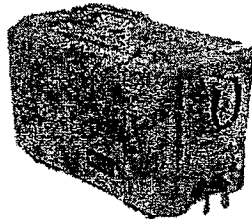


Fig. 1. Portable Unit - Militarized

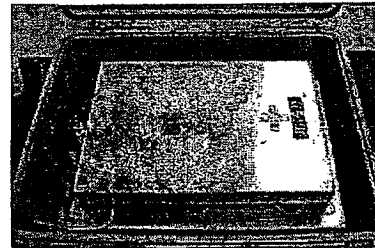


Fig. 2. Fixed Unit - Vehicle/Facility

An Improvised Explosive Device (IED) is detonated almost daily throughout the world. IED's have been detonated along roadsides, against buildings and aboard public transportation. The current method employed is very basic. Typically a combatant/terrorist will place explosive material in a car or package or attach it to a targets' infrastructure such as exterior walls, highway overpass. A variety of low tech, "off-the-shelf" radio frequency (RF) devices are used as detonators. Some examples being used are electronic car keys, garage door openers, cordless or cellular phones.

JukeBox is a Radio Frequency (RF) Suppression System designed to defeat RF detonators via a host of military and civilian applications. "JukeBox" is programmed to emit a signal that blocks or "jams" an RF transmission intended to detonate an IED. It is a self-contained, low-maintenance system that operates on AC/DC power with an internal diagnostic capability that ensures smooth operation with minimal training.

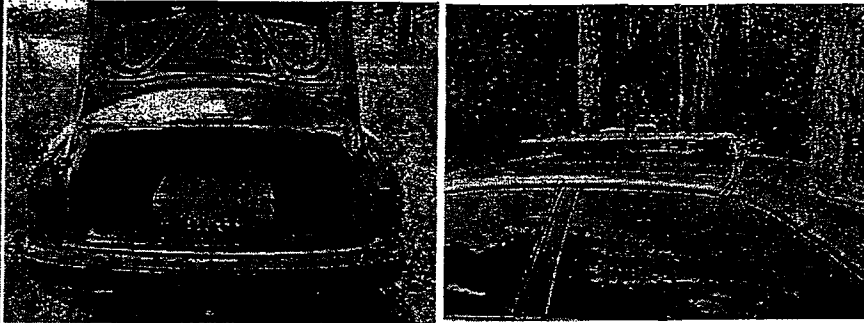
JukeBox is configured as a powerful, multi-band system (adjustable up to 30 watts per band) that can be pre-set to cover any desired geographic footprint and frequency range. "JukeBox" has an effective range of between 250 and 500 meters from any IED threat location or geographic area where RF suppression is desired. Range may be affected slightly by topography, vehicle speed, proximity to transmitter and structural interference such as narrow streets and tall buildings.

The "JukeBox" system is designed and manufactured in Virginia. A portable EOD version of the "JukeBox" [see Figure 1] is currently under procurement by the United States Navy (NAVEODTECH).

Dimensions	12" x 8" x 6"
Weight	>15lbs
Power Specs.	12V DC or 24V DC (per vehicle specifications)
Channels	Any 3 Frequency Bands within a range of 20MHz to 2 GHz
Range	250m (mobile) - 500m (stationary)

О фирме  
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Прайс  
Новости  
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Гостевая  
книга

Блокиратор радиовзрывателей "Пелена - 7"



**Specification for Pelena 7**

Can be mounted on an automobile or in the trunk

Dimensions 500\*470\*140 mm

Protection Range 15-30 meters

Conditions of operation -40°C +65°C

Can operate on a car battery up to 4hrs

Weight with antenna's and additional components 22kgs

Weight without accessories 18kgs

Frequency Spectrum Coverage 20-2,000MHZ

Frequency Output 75Watts

**Company Background**

Established in 1992, Clientele includes: FSB, Russian FDA, Ministry of Interior, Customs, Russian Law Enforcement Agencies, and Law Enforcement Agencies in the former CIS states.

SET-1 has official FSB licenses to manufacture and sell its product line.

Subj: jammers  
 Date: 8/29/2006 12:59:30 P.M. Eastern Standard Time  
 From: BEYONGO  
 To: CCSNY37

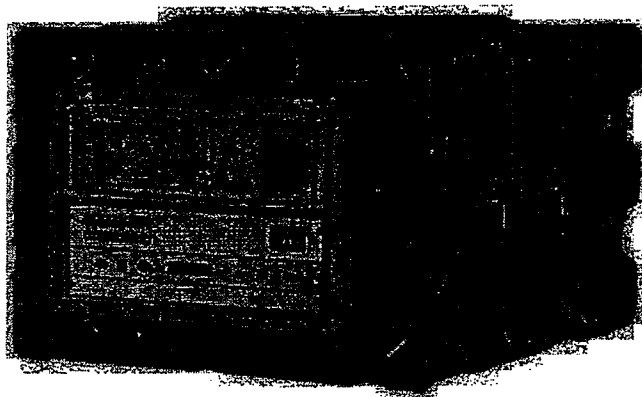
have you seen these jammers before?

The following are the IRJ series of intelligent radio frequency jammers that are ready for sale.\* These jammers are combat proven, soldier approved, and government accepted for the most detrimental of missions.

We also offer custom solutions and engineering services for your application. Please contact us for pricing information or any other questions you may have.

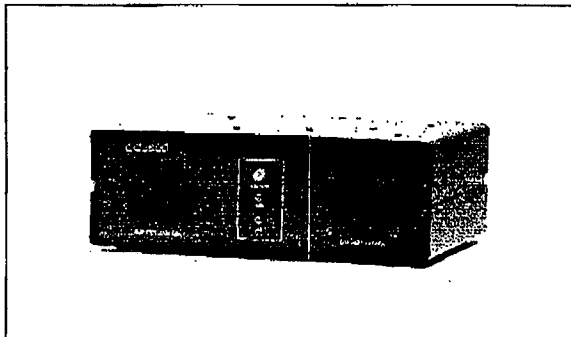
#### FEATURES:

- Field or Depot Programmable
- Remote control
- Transportable
- Upgradeable
- Shock Resistant
- Front Panel Operation
- Instant disabling of ECM operation program to prevent enemy capture



#### SPECIFICATIONS:

Jamming Range	1000 Feet / 305 Meters with unity gain antennas (larger range available with higher gain antennas)
RF Power	120 Watts Standard ( <i>but higher power outputs are available</i> )
Signal Source	Programmable Waveform Generator
Input Power	110/220 VAC or 28 / 12 VDC with external power module
TX Modules per Unit	1
Remote Control	Infrared transmitter control
Internal Antenna	None
External Antenna	User Supplied
Frequency Range	
3 dB points	20 - 2500 MHz, other ranges upon request
Air Interface Standards	
CDMA, GSM, NADC, PDC, PHS, EDGE, CDMA2000, WCDMA, TETRA, APCO 25, IDEN, Digital Vector Modulation, IQ, AM Analog, FM, WDFM, Pulse, Wideband Noise, FSK, and	

**CCJ800 - Medium Power****Cellular Communication Jammer****CCJ800- 2 x 15W**

The CCJ800 has been designed for blocking GSM cellular networks and all kinds of cellular standards in the world.

The CCJ800 is using state-of-art technology for maximum performance.

The unit controlled by Microprocessor for PLL programming.

The CCJ800 transmit 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 CCJ800 will be totally

**BLOCKED** and will not be able to receive or dial outgoing calls.

When CCJ800 effect the mobile the display will show "NO SERVICE".

**Applications**

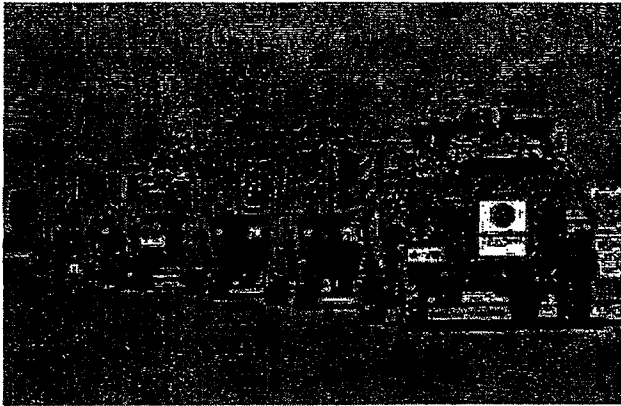
Concert halls & Theaters,  
Prison Compounds,  
Special Military Units,  
Special Police Units,  
Bomb Disposal Etc.

**Technical Specifications*****RF Characteristics***

Output Power	15W per band
Internal Modulation	FM Hopping frequency
Signal Source	PLL synthesized
Power Supply	110/220VAC or 24VDC
Modules Per Unit	2-3
Remote Control	Infrared
Antennas	External Omni-Directional
Jamming Frequency Bands	

Frequency Bands	851/869-894 MHz
	925/935-960 MHz
	1805-1880 MHz

# RIVA Network's - MLQ 1000



RIVA Network's introduces the next generation in RF signal jammers. Designed to protect personnel, vehicles and security areas, the RIVA MLQ 1000 protects assets from Remote Controlled IED attacks. The MLQ 1000 is a small, powerful, completely programmable countermeasure. RIVA's MLQ 1000 provides many user defined controls including: multiple signal generators, center frequency selections, center frequency bandwidth adjustments, amplitude controls and more. Characterized by an a unique approach to power distribution, MLQ 1000 benefits from efficient use of the power amplifiers that can be set to focus high power jamming where it is needed most, and at the same time, uses low power techniques where they are sufficient.

## **Covering a Broad Frequency Spectrum**

The MLQ 1000 can be tuned for any combination of frequencies between 20 MHz to 2 GHz. Exploiting signal intelligence information, multiple configuration programs can be saved in a laptop or on a PDA and then downloaded into the MLQ 1000 quickly.

## **A Variable Approach to RF Remotes**

MLQ 1000 can defeat more than just a particular frequency. Easily programmed parameters can be set to provide long duration jamming for key fobs and other RF remotes that send long coded signals (like car alarms). Alternatively, the jammer may be programmed for brute force frequency jamming to defeat short burst RF signals.

## **An Elegant Method to Neutralize Cell Phones**

MLQ 1000 goes beyond the primitive "barrage" method to cell phone jamming. Using a unique, intelligent approach, the MLQ 1000 identifies cell phone emanations and jams only the active channels. Once cell phone activity is detected on any channel, the MLQ 1000 applies the jammer signal to only those active channels.



**RIVA**  
Network

Secure Networks

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[www.riva-networks.com](http://www.riva-networks.com)

# SCG-025R

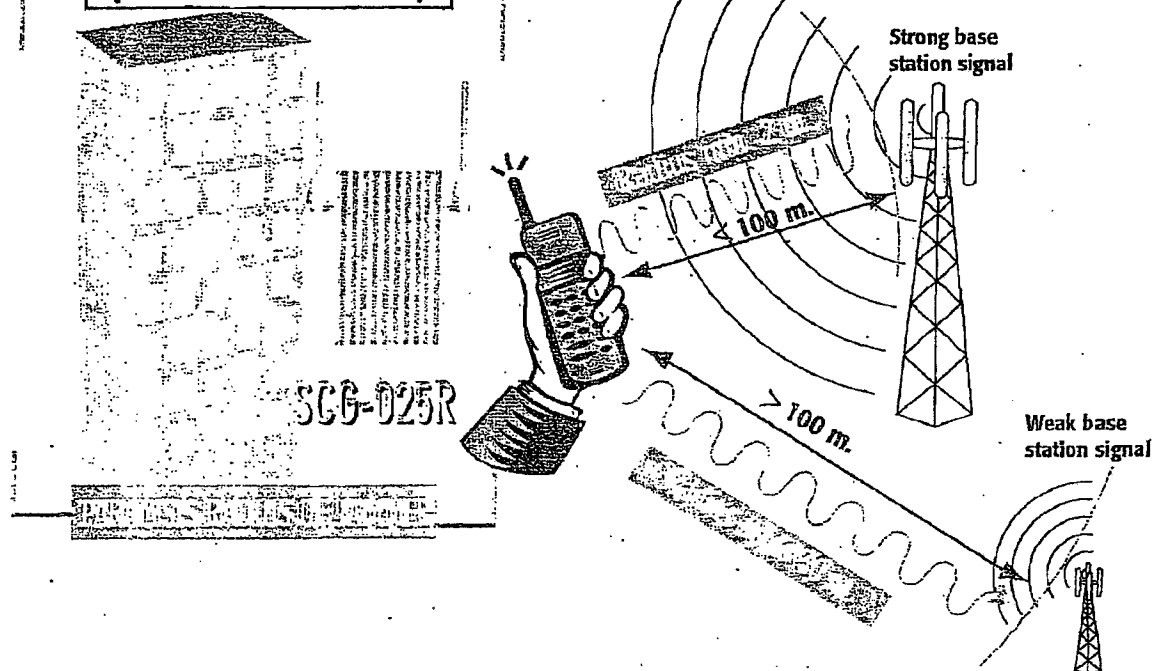
MOBILE PHONE JAMMER

DUALBAND 100+100 MW OUT

## SPECIFICATIONS:

<b>Range of operating frequencies:</b>	920 + 1800 + 1900 Mhz three bands
<b>Total power output:</b>	20+20 dbm +/- 0.5 (100+100 mW) out at rf SMA connectors + antenna gain
<b>Antenna gain:</b>	+1.5 db on 900 MHz band, +2db on 1800MHz band, elical, vertical whip 116 mm length
<b>Power supply:</b>	external 11 - 24 DC, 250 mA nominal or powered directly by a SCG-GSM-Detector
<b>Principle of operation:</b>	PN ramp modulation technique FM-W
<b>Dimensions :</b>	81 x 48 x 30 mm (l,w,h)
<b>Cabinet:</b>	milled aluminium case, wall mounting cover

min. 2 m. radius  
(in worst condition)



ORDER CODE: SCG-GSMJ-025R