

RCIED BOMB JAMMING SYSTEMS PRESENTATION

PRESENTED BY

Dynamite Global Strategies, Inc.

- Mission Focused Engineering



ELECTRONIC WARFARE

DEFEAT RCIED

BOMB JAMMER

INNOVATIVE DESIGN

CUSTOMIZED SOLUTIONS

COMMUNICATION JAMMER



Dynamite Global Strategies, Inc.

-Mission Focused Engineering-

JAMMING PRINCIPLE



010001010110101011110001010100010101101001010100100010101000
100101011010101001010100101101010101011010101000011110000101



1. Rx (RCIED Receiver)



2. Tx (Transmitter)



3. Detonate Target

101110101101101111010110111011011101001010000101010000011011

COMMON RCIED DEVICE

1. Modified Cell Phone



Receiver (RCIED)

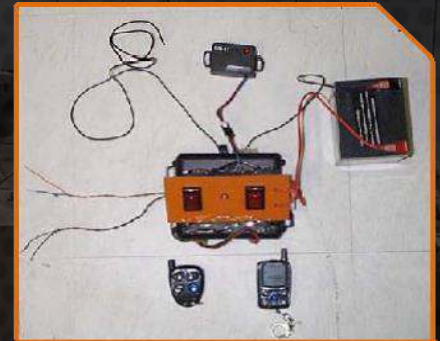
2. Modified Long Range Cordless Phone



Receiver (RCIED)

Receiver (RCIED)

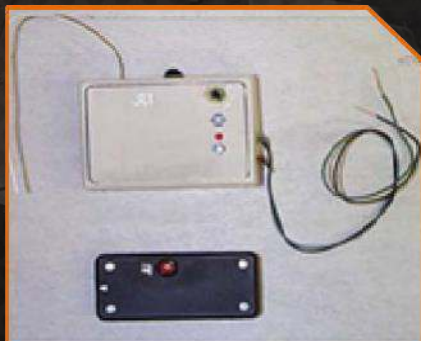
3. Modified Car Alarm



Transmitter & Receiver (RCIED)

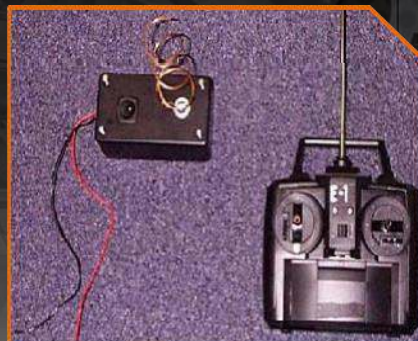
COMMON RCIED DEVICE

4. Modified Door Bell



Transmitter & Receiver (RCIED)

5. Modified Remote Toy



Transmitter & Receiver (RCIED)

6. Modified Walkie-Talkie with DTMF Feature



Transmitter

Receiver (RCIED)

POTENTIAL IED INDICATORS

1. Changes in patterns of life / atmospheres



Abandoned Vehicle



Dead Animal

2. Colors



Roadside Curve

An improvised explosive device (IED) can be hidden inside an unnoticeable package and be left along side of the road, airport, train station or major public area to cause casualties on specific targets.

POTENTIAL IED INDICATORS

3. Signs



Out of place signage

4. Markers



Suspicious Package

5. Shapes



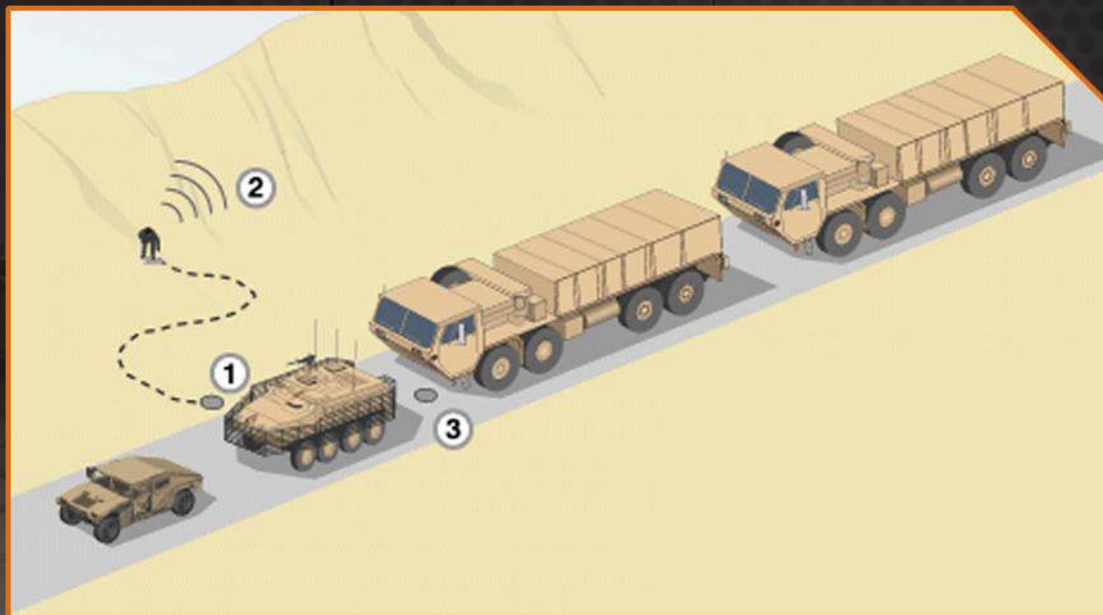
Oversized Rock

An improvised explosive device (IED) can be hidden inside an unnoticeable package and be left along side of the road, airport, train station or major public area to cause casualties on specific targets.

ROADSIDE BOMBING

SCENARIO

1



1. Roadside Bomb (Rx)



2. Terrorist w/Tx



3. Reference Point

Usually constructed & deployed manually by an attached detonating mechanism. Extensively used against coalition forces, had become responsible for approximately 60% of coalition deaths in Iraq & over 70% of coalition casualties in Afghanistan.

PRESS CONFERENCE

SCENARIO

2



1. VIPs



2. Audience



3. Broadcasting

Personal protection is extremely important especially when several key government players are involved. Their exposures to the public may open opportunities for a terrorists attack through broadcasting, And may result in threats to homeland security.

PRISON SECURITY

SCENARIO

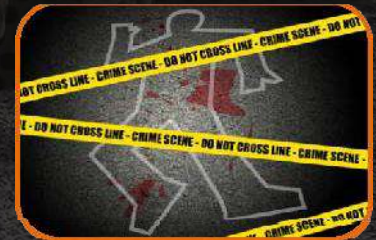
3



1. Inmate



2. Outside
Contact



3. Crime

Inmate cell phone usage has become a growing problem and as valuable as drugs. Inevitably cell phones are also being used to orchestrate crimes, harass witnesses, and organize retaliation against other inmates and even order hits.

RIOT CONTROL

SCENARIO

4



1. Riot Leader



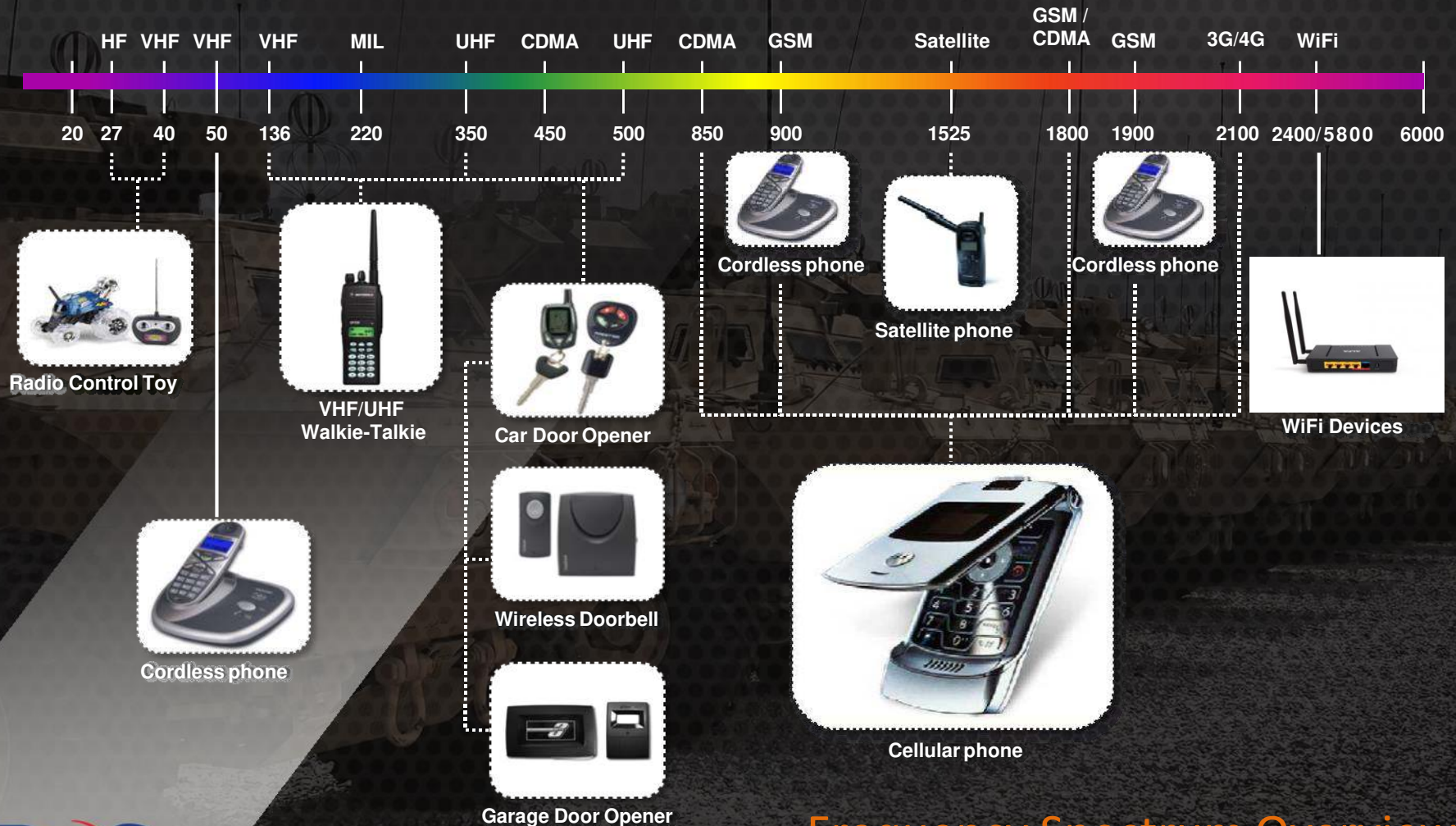
2. Riot Operative



3. Rebellion

Riots, Parades, Demonstrations and Protests have become a rising problem in our society. Today's police forces are better equipped and continue sourcing more effective ways to deal with crowds and take control with these situations.

COMMON THREATS



Frequency Spectrum Overview

JAMMING TECHNOLOGY

Pros:

1. Wide Jamming Distance
2. Effectively Jamming against Cell Phones

Cons:

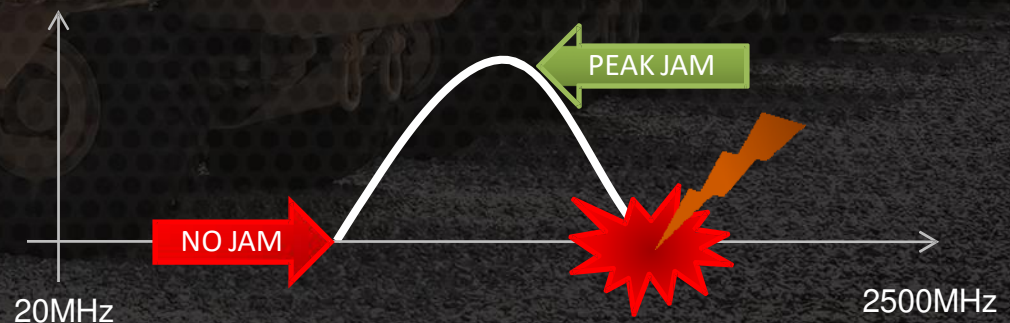
1. Not effectively Jamming against Instantaneous RCIED (Analog Remote Control Device)

* These forms of Jamming are most common and are found in 85% of Jammers on the market.

1. Sawtooth Sweep Jamming



2. Triangle Wave Sweep Jamming

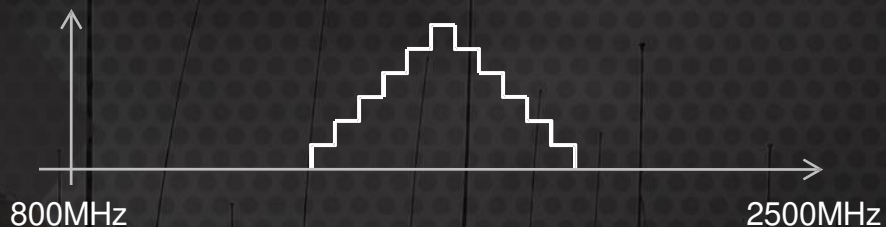


NDR JAMMING TECHNOLOGY

CHARACTERISTICS:

1. **Digital Ladder Wave Sweep Jamming** increases Jamming Distance, effectively jamming against (Digital) Cell Phones device.
2. **Barrage Jamming** effectively against both Digital & (Analog) Remote control device with no gap.
3. **Intelligent Spot Jamming** expand the jamming coverage specially against both Digital & Analog Walkie-Talkie Devices.

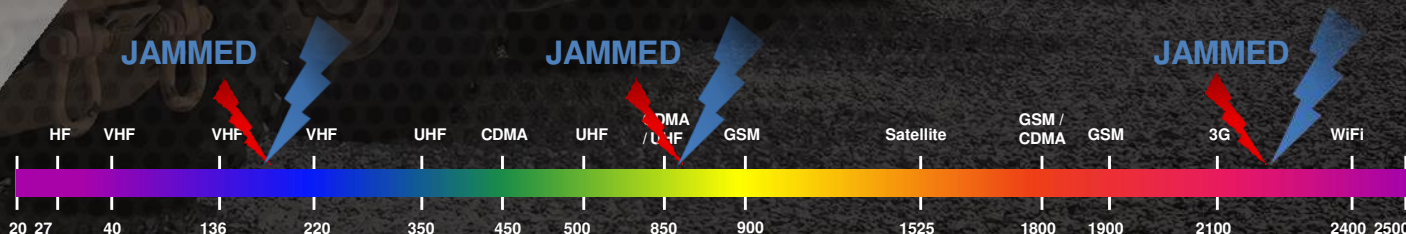
1. Digital Ladder Wave Sweep Jamming



2. Barrage Jamming (Radom Sweep CW)



3. Intelligent Spot Jamming

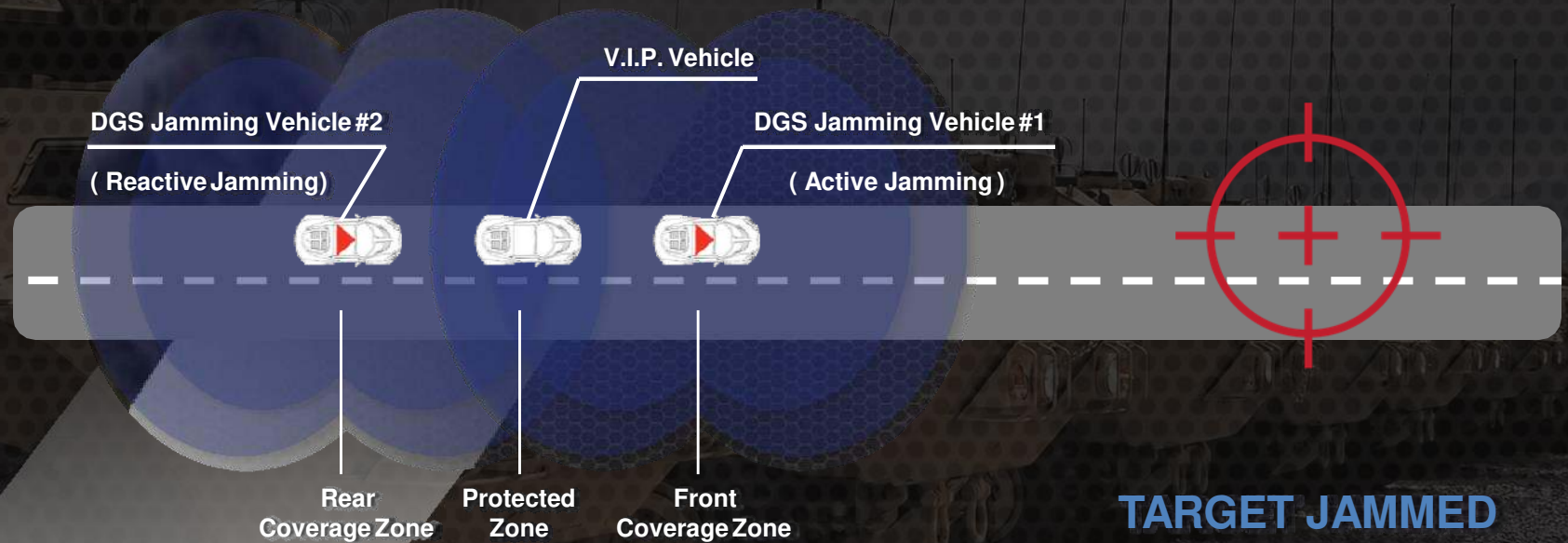


UNPROTECTED VEHICLE



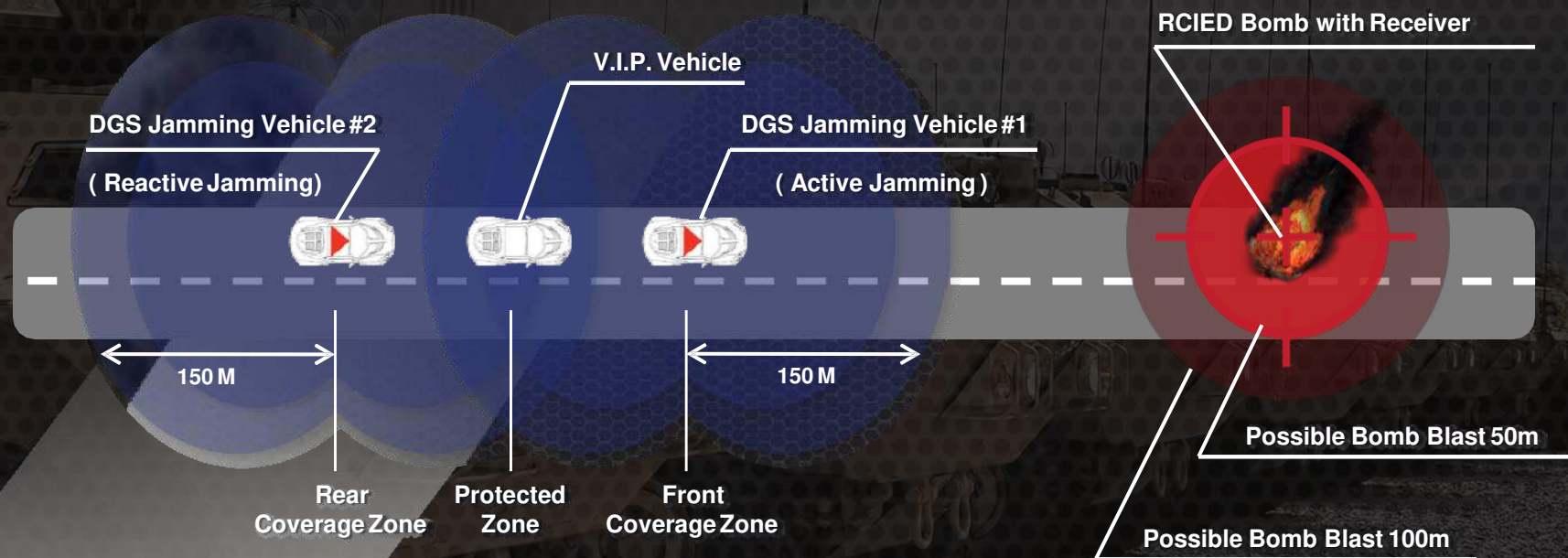
* This diagram is for demonstration purposes, jamming results are based on actual configurations and local signal strength / distance.

JAMMING PROTECTION



* This diagram is for demonstration purposes, jamming results are based on actual configurations and local signal strength / distance.

JAMMING DISTANCES



* This diagram is for demonstration purposes, jamming results are based on actual configurations and local signal strength / distance.

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Two black Pelican hard-shell cases are shown, one slightly behind the other. They are rugged, rectangular cases with multiple latches and handles. The front case has a visible latch mechanism on the left side and a small label on the bottom right corner that reads "PELICAN" and "MADE IN THE USA". The cases are set against a dark, textured background.

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Frequency Range: 800 -3000MHz

Power Output: 40W



DGS Guardian-200

ManPack Jammer



SYSTEM PROFILE:

Technology: Barrage + DDS Jamming

Frequency Range: 20 -2500MHz

Jamming Range: 50m

Power Output: 60W

Weight: 14Kg

•Actual System may vary, All **BOMB JAMMERS** can be customized depending on end user's specific requirements.

DGS-105EOD



SYSTEM PROFILE:

Technology: Barrage + DDS Jamming

Frequency Range: 20 -3000/6000MHz

Jamming Range: 75-100m

Power Output: 280W

Weight: 30Kg without Battery

* Actual System may vary; All **BOMB JAMMERS** can be customized depending on end user's specific requirements.

DGS-720S

Convertible EOD Convoy Jammer



SYSTEM PROFILE:

Technology: Barrage + DDS Jamming

Frequency Range: 20 -3000/6000MHz

Jamming Range: Up to 150m

Power Output: 520W

Weight: 50Kg

* Actual System may vary; All **BOMB JAMMERS** can be customized depending on end user's specific requirements.

DGS-V1000T

Wide Band DDS Digital Convoy Jammer



SYSTEM PROFILE:

Technology: Barrage + DDS Jamming

Frequency Range: 20 -3000/6000MHz

Jamming Range: Up to 500m, when signal Level -80dBm

Power Output: 865W

Weight: 70Kg

* Actual System may vary; All **BOMB JAMMERS** can be customized depending on end user's specific requirements.

A rear view of a silver Jeep SUV. The vehicle features a roof rack with a spare tire mounted on top. The rear window has a black wiper. The tailgate has a silver "Jeep" badge in the center and "LIMITED" and "4x4" badges on the lower corners. The vehicle is parked on a dark surface with a stylized, geometric background.

Weight: Approx. 90Kg



Wie Jammer



Technology: Spot Jamming

Frequency Range: 135 -220MHz, 50W /
220 -350MHz, 50W / 350 -600MHz,50W
(One frequency spot /each band at a time,
Total 3 RF Spots Jamming at a time)

Jamming Range: 1000-2000m

Weight: Approx. 15Kg

Weight. Approx. 15Kg

* Actual System may vary; All **BOMB JAMMERS** can be customized depending on end user's specific requirements.

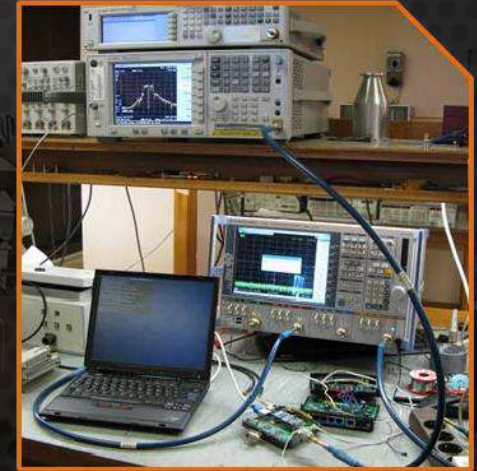
Frequency Range: 135-220MHz, 50W / 220-350MHz, 50W / 350-600MHz, 50W / 600-900MHz, 50W (4 frequency spot /each band at a time, Total 16 RF Spots Jamming at a time)

Power Output: Total 200W



PRODUCTION OVERVIEW

ADVANCED EQUIPMENT PRODUCTION & MIL-STD TESTING PROCEDURES



PRODUCTION OVERVIEW

ADVANCED EQUIPMENT PRODUCTION & MIL-STD TESTING PROCEDURES



PRODUCTION OVERVIEW

ADVANCED EQUIPMENT PRODUCTION & MIL-STD TESTING PROCEDURES



IN THE FIELD

➤➤➤ DGS JAMMING SOLUTIONS



2016 G20 China



2016 Pakistan EOD School



2015 Saudi Arabia

IN THE FIELD

»»» DGS JAMMING SOLUTIONS



2016 G20 China



2008 Olympic Game



2010 Asia Olympic Game

IN THE FIELD

>>>> DGS JAMMING SOLUTIONS



2012 Afghanistan Presidential Security



2012 Afghanistan Presidential Security



2011 Royal Thai Army

IN THE FIELD

»»» DGS JAMMING SOLUTIONS



2013 Royal Thai Army



2014 Royal Thai Navy



2012 Thailand EOD

IN THE FIELD

»»» DGS JAMMING SOLUTIONS



2012 Embassy in Iraq



2012 Embassy in Iraq



2012 Embassy in Iraq

**WE LOOK FORWARD TO
SERVING YOU THE BEST!!!**



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