



Repulse is a low power 12v battery operated, light weight (1.5KG) hand held unit that can be deployed in seconds to create an invisible electronic shield with a radius in excess of 1km horizontally & vertically that is impenetrable by all currently available commercial drones using either 2.4 or 5.8 GHz for control.

When a drone attempts to enter the exclusion zone created by **Repulse** the countermeasure signal denies the operator control, video & telemetry downlink. The system can be used to create an electronic no fly zone over strategic areas such a government establishments, power stations, large public stadiums , Airports etc.

Upon the loss of control signal most drones are programmed to return to their take off location. This can be prevented if required by the introduction of a GPS/GLONASS jammer which prevents the drone from returning home and forces it to make a soft landing. (optional extra)

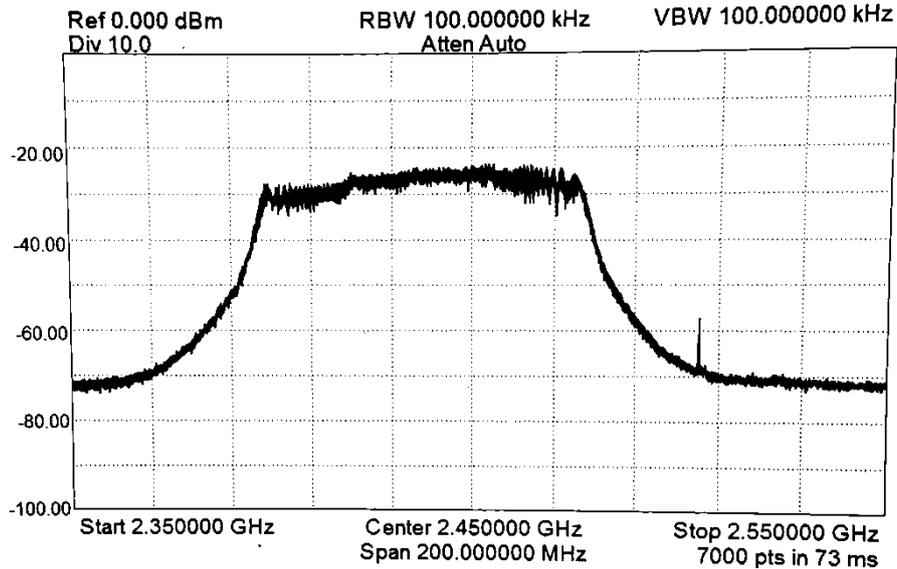
Unit are available handheld or ruggedized in an IP66 enclosure suitable for harsh environments.

Part No: **Repulse 2458H** (Handheld)

Part No: **Repulse 2458E** (Enclosed)

Please contact PDA Electronics for a quotation or to arrange a demonstration

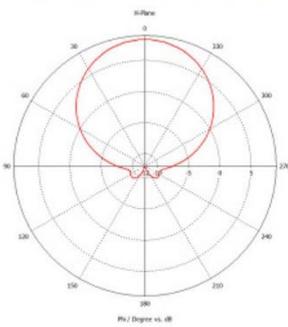




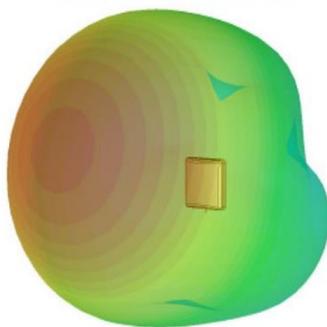
Output power as measured at 50 cm from the unit

Antenna radiation plots

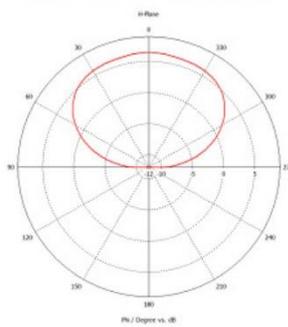
Typical H-Plane (2400MHz)



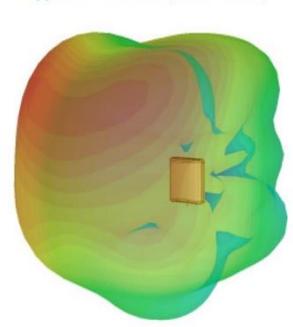
Typical 3D Plot (2400MHz)



Typical H-Plane (5400MHz)



Typical 3D Plot (5400MHz)



Electrical Data		Mechanical Data	
Frequency Range	2400-2485 / 5725-5825	Height	190mm
Pattern	Directional	Width	235mm
Beam width: 2.4GHz	160°	Depth	170mm
Beam width: 5 GHz	160°	Weight	1.5kg
Battery	6.8 AH Lithium-ion	Antenna's	95 x 95mm
Battery Operation Time	3.5 Hours	Operating Temp (°C)	-30° / +70°
Total Current	1.7 Amps at 12VDC	Material	ABS
Total Output Power	+28dBm (630mw)	Colour	Black
Average Power Per Band	-30dBm (1µw)	Fixing	Handheld, Wall, Mast or Mag Mount

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