

**CLASSIFIED**

2016

DEMENTOR 4 lite class Drone Jammer  
& GNSS Spoofer to build a protection umbrella



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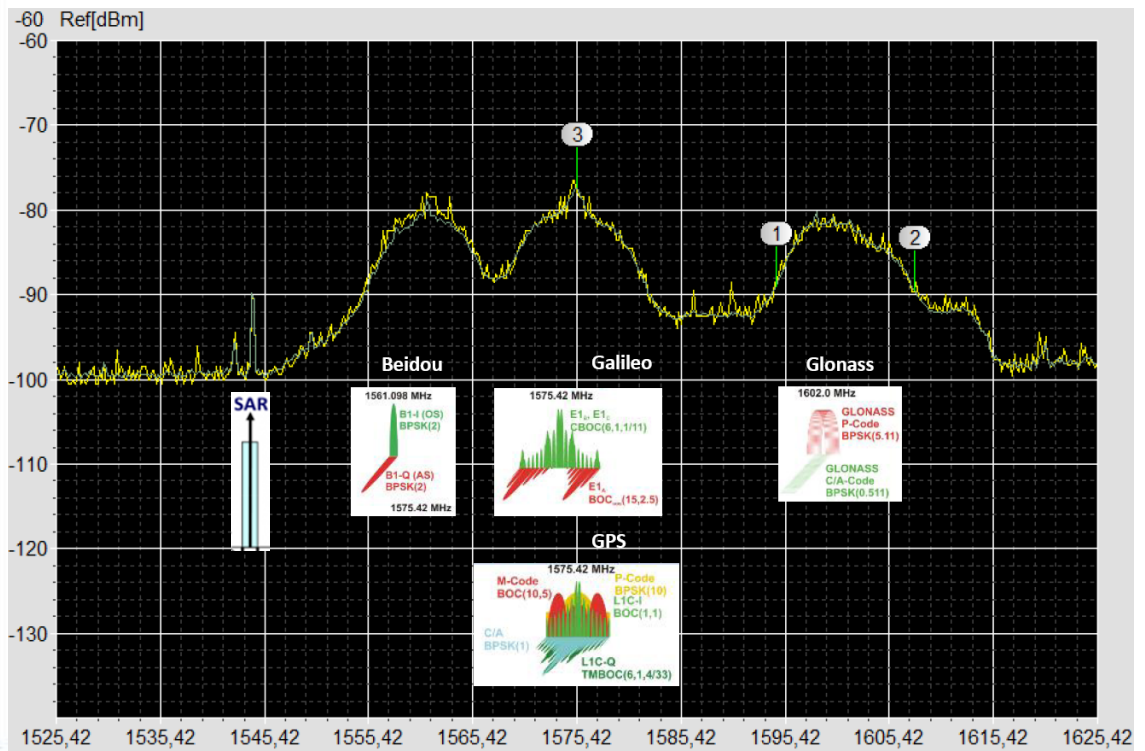
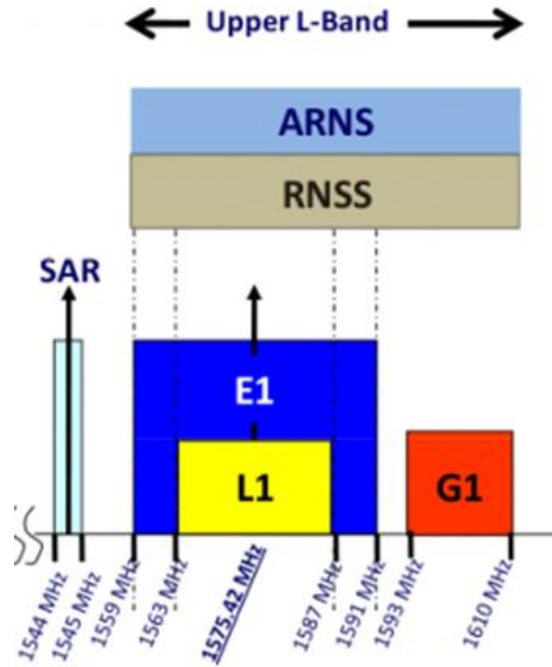
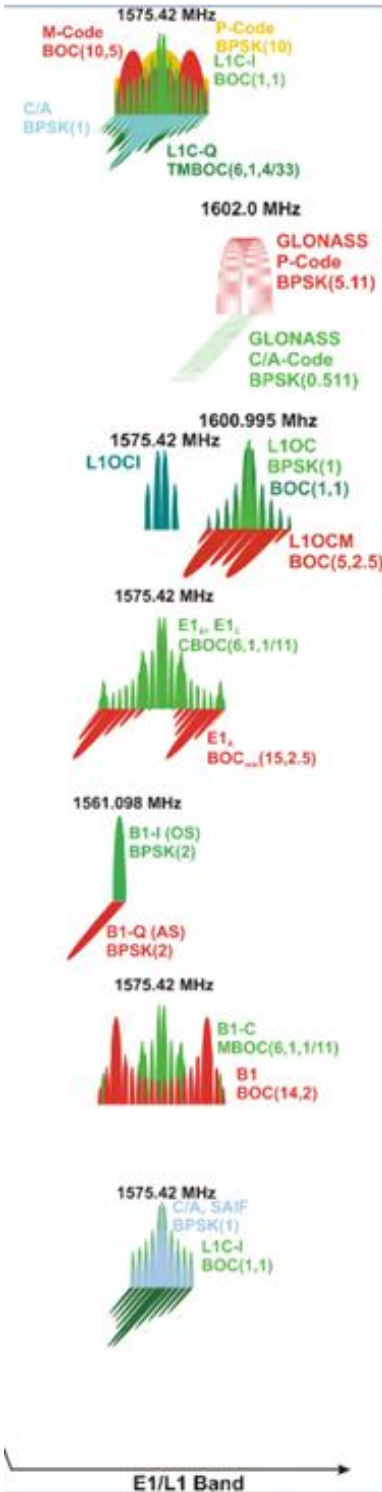
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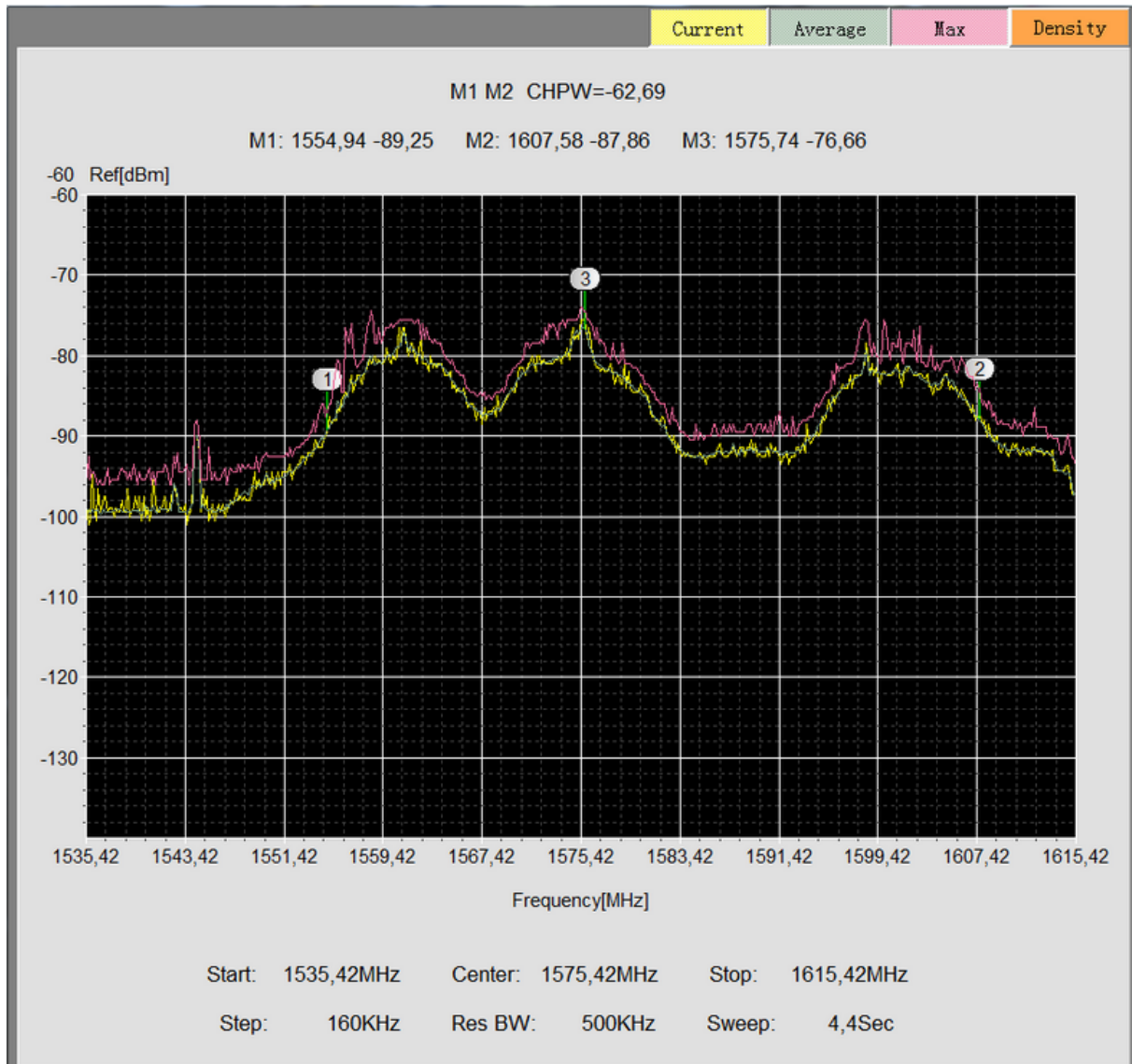
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## GNSS L band full constellation spoofing



Dementor LITE Upper L-Band full 4 constellations live spoofing Signal

**Dementor 4 RF signal output**



**Dementor 4 Specification**

**HIGHLIGHTS**

**HIGHEST SPECTRAL EFFICIENCY**

Best-in-GNSS simulation Innovative radio technology for the GNSS [Kalman filter](#) penetration

**SUPERIOR PERFORMANCE AND CONSTELLATIONS PROCESSING .**

Unmatched processing power. Full capacity at any satellite number and signal size

**UNMATCHED CAPACITY**

Full GNSS channels coverage

Spoofers for the GPS L1 and in Option all GNSS systems.

**LONGEST REACH**

Distances in excess of 100 km with external ODU amplifier & hemispherical 6 dBic antenna. Unprecedented system performances with low power.

**ANTENNA INTEGRATION**

- Phantom Broadband 3 dBic H & V polarization
- Hemispherical 6 dBic RHCP polarization

**FLEXIBILITY**

Easy-to-use and easy-to-install Fully configurable with external High Gain directional antenna, for sectorial or very long range Spoofing .

**RELIABILITY & ROBUSTNESS**

IDU Pelicase design and ODU Ruggedized aluminium cast IP66 enclosure ; extended temperature range of -40° to +60°C, with 100% humidity.

Small Form Factor



# **CLEAR-SKY** Drone Spoofer & Jammer

*Hyperable*

Spoofers for all GNSS systems: **GPS-Galileo-Glonass-Beidou-QZSS-SBAS\***

- IDU GPS constellation output Power -20 to 10 dBm
- Broadband Antenna Gain 3 dBi H & V polarization
- ODU output power 4 watts Hemispherical RHCP antenna gain 6 dBic EIRP 40 dBm 10 watts
- Connectors, coaxial N 50  $\Omega$  and military jacks.
- Power supply 220 VAC & 12 VDC
- Service -40° + 60° ambient
- IDU size and weight 30 x 25 x 25 cm, 5 Kg
- ODU size and weight 20 x 30 x 45 cm, 6 Kg
- IDU alone, spoofing diameter coverage 400 metres up to 4 km LOS.
- IDU plus ODU spoofing diameter coverage 20 km up to 160 km LOS.
- Option ODU output Power 100 watts is for the Wideband Spoofer with GÉBOR<sup>2</sup> embedded.



IDU GNSS simulator, power supply, amplifiers & antenna

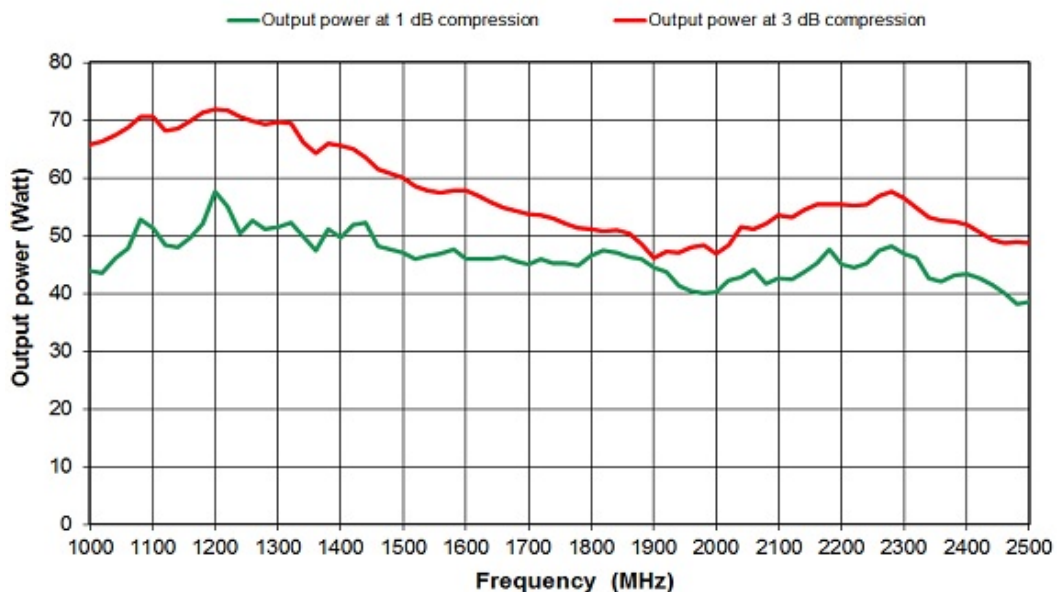


ODU Front and Rear with the heat dissipator & the mast mount

## Dementor 4 Power Spoofing amplifier & remote command jammer

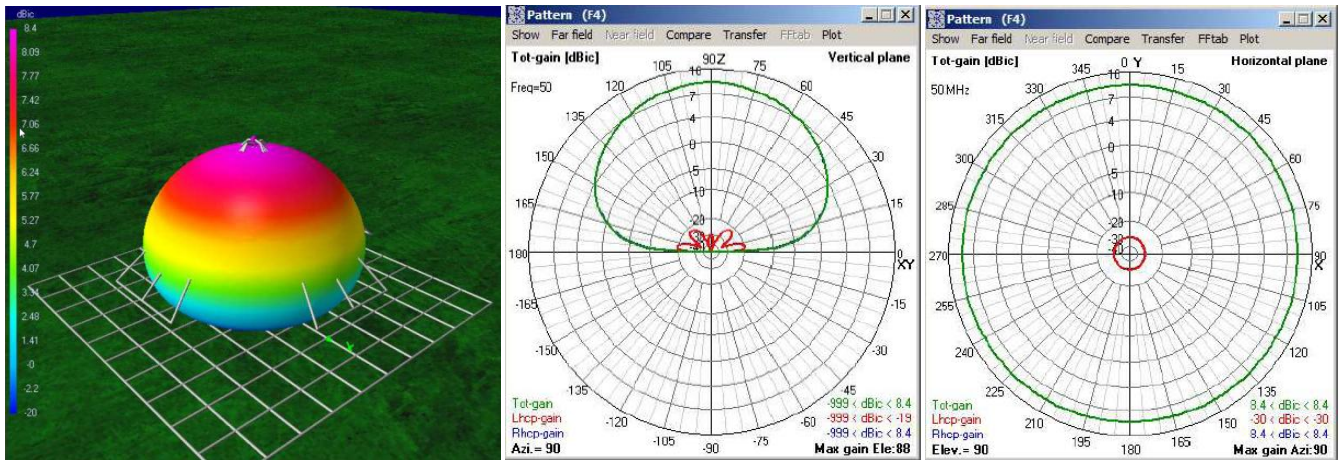
### ● *Dementor 80 ODU*

- Class A solid state
- Broadband (instantaneous single band): 1 GHz – 2.5 GHz
- Typical output power : 80 W CW
- Linear output power (1 dB compression) guaranteed with harmonics <-20 dBc:
  - P1dB > 70 W and H < -20 dBc up to 1.6 GHz and
  - P1dB > 60 W and H < -20 dBc from 1.6 GHz to 2.5 GHz
- Air cooling: self contained fans
- Can operate in full mismatch conditions without damage
- Reliable, efficient and robust
- ODU IP 66
- 3 years standard warranty



*Dementor 80 Mobile Outdoor Unit Transmitter 1 GHz to 2.5 Ghz class A 90 watts CW*

**Dementor Hemispherical Antenna design**



*Dementor Hemispherical RHCP & LHCP antenna up to 8 dBic gain*

● *Dementor hemispherical antenna pack system.*

