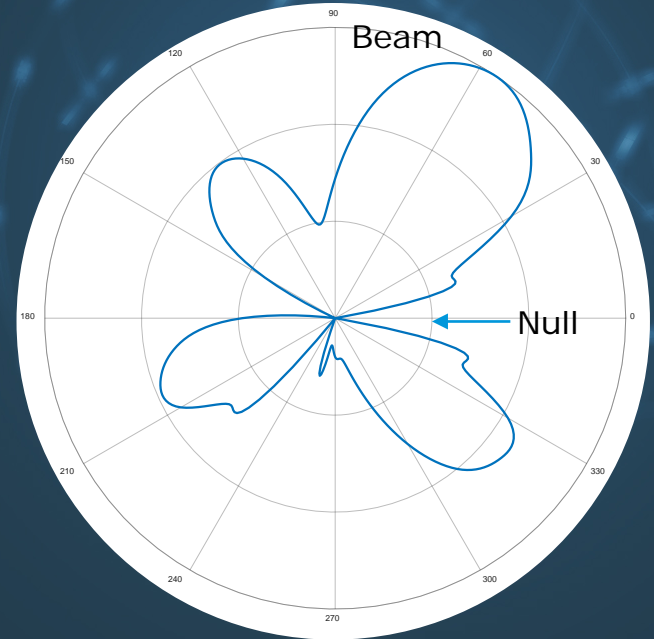


VANTIGE – Navigation Interference Resilient GPS Enhancements

Co-funded development of next generation GNSS anti-jam equipment



COBHAM

Element 2



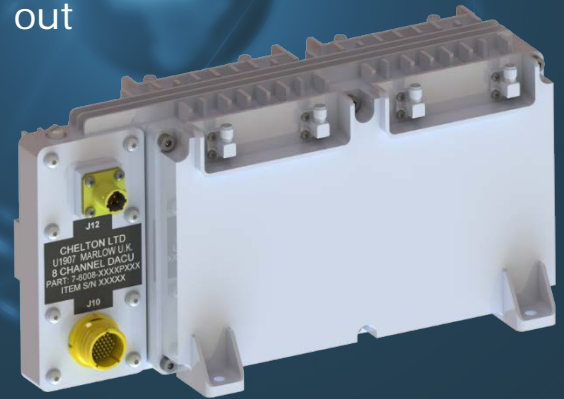
VANTIGE – Navigation Interference Resilient GPS Enhancements

Using space time adaptive processing to generate nulls and steer antenna beams, enabling reception of GNSS signals in the presence of jammers

Project kick off 2nd August 2018. Final review 25th February 2020

- Beam steering and nulling anti-jam system developed
- Antenna manifold measured and simulated on different structures
- Beam steering and direction finding accuracy analysis carried out
- Anti-spoofing investigation
- Bench-top test suite developed
- Market analysis and exploitation

COBHAM



VANTIGE – Navigation Interference Resilient GPS Enhancements

Proposed future NAVISP programme – VANTIGE2:

- Galileo RF subsystem development
- Adaptation speed optimisation
- Wave-front test suite development
- Anti-spoofing system integration



COBHAM

