



Test and Evaluation/Science and Technology Program

Phased Array Antenna Technology



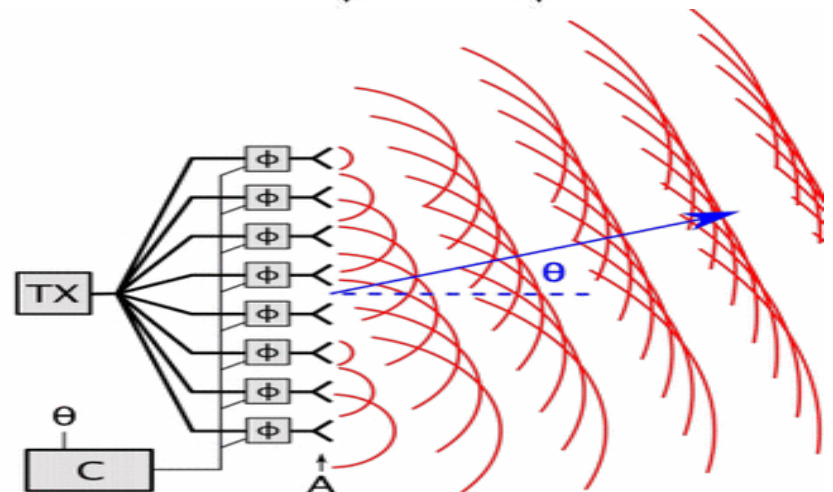
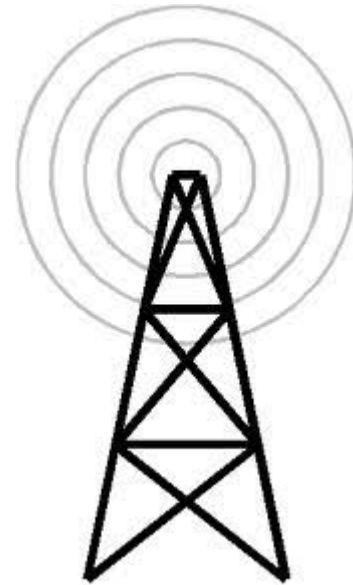
Spectrum Efficient Technology (SET)

17 May 2018

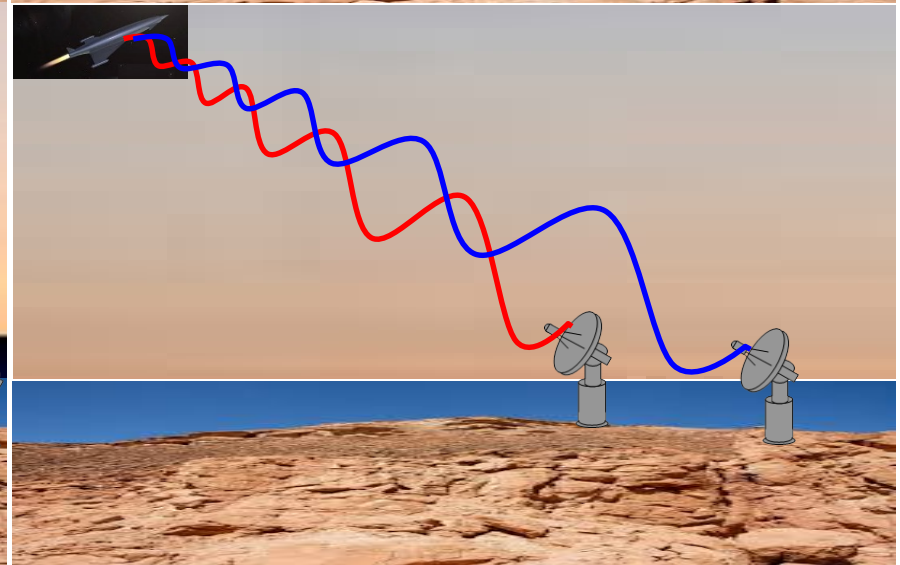
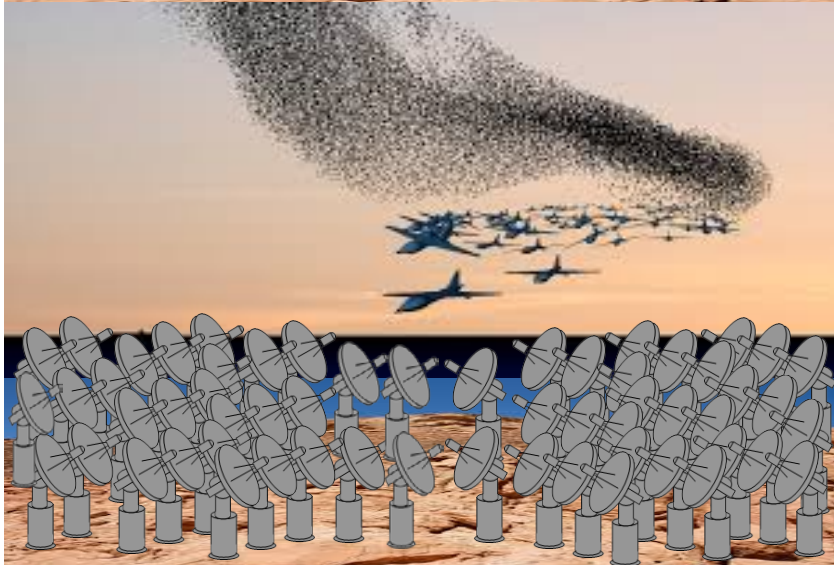
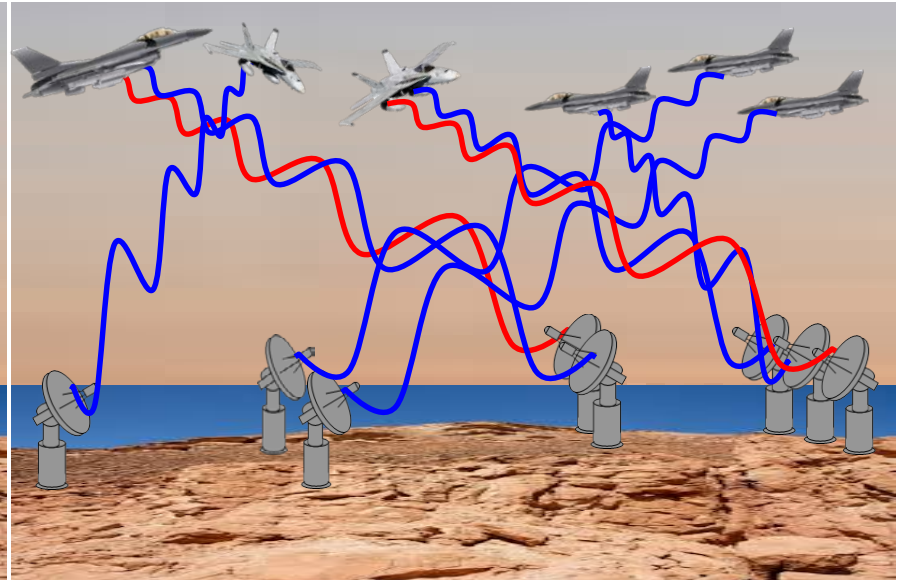
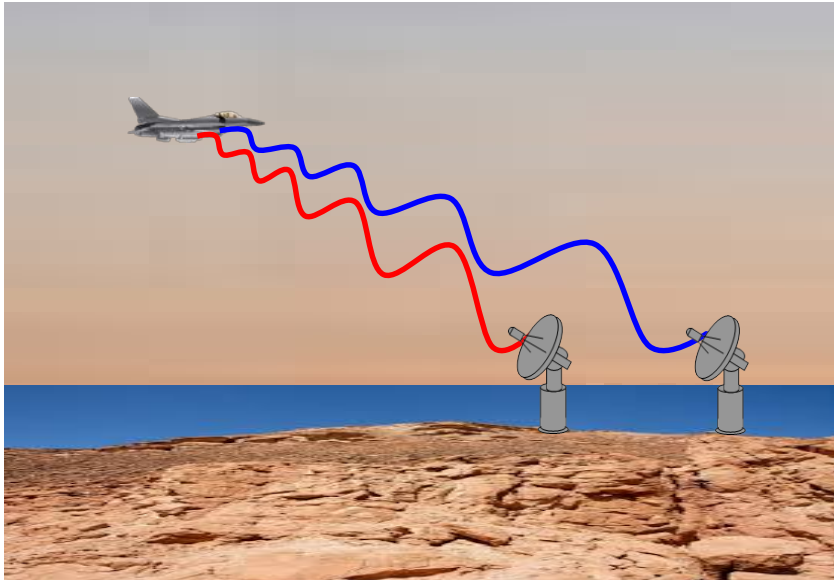
Distribution Statement C

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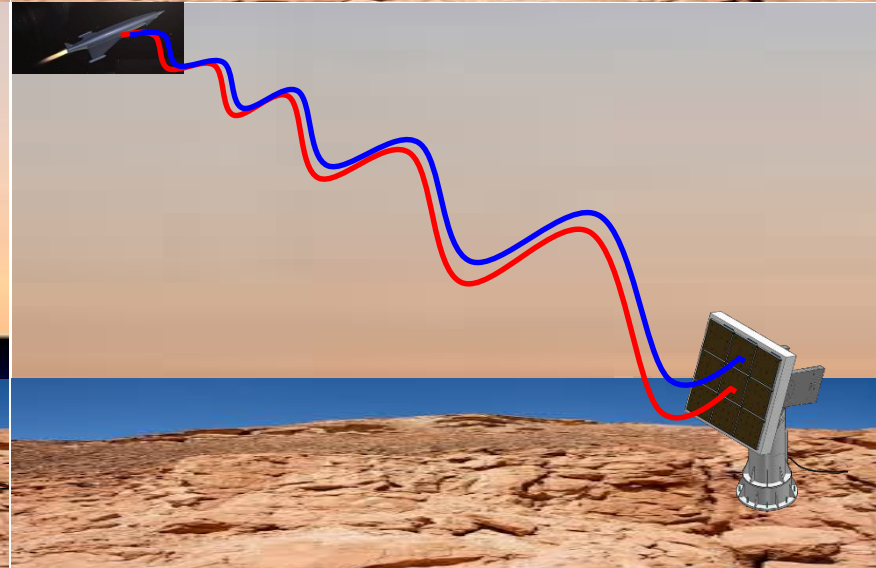
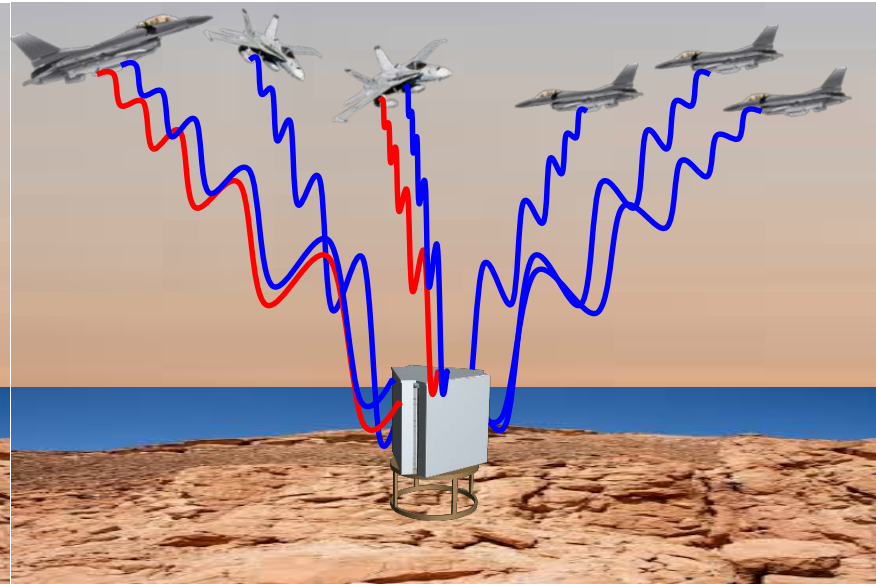
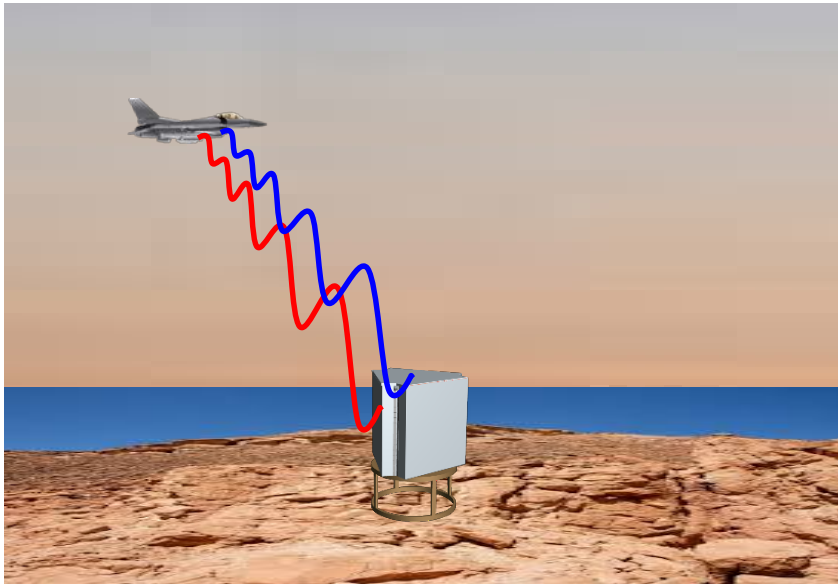
Antennas



Parabolic Antenna Missions



Phased Array Antenna Missions



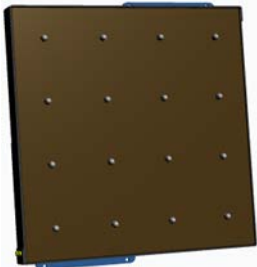
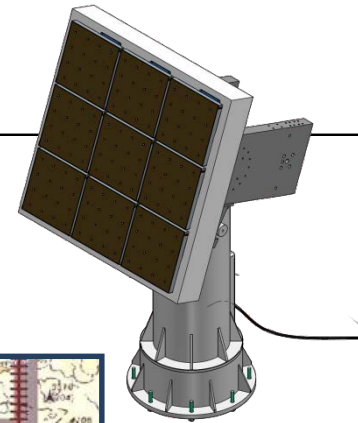
Ground (Sea) Applications

Mission

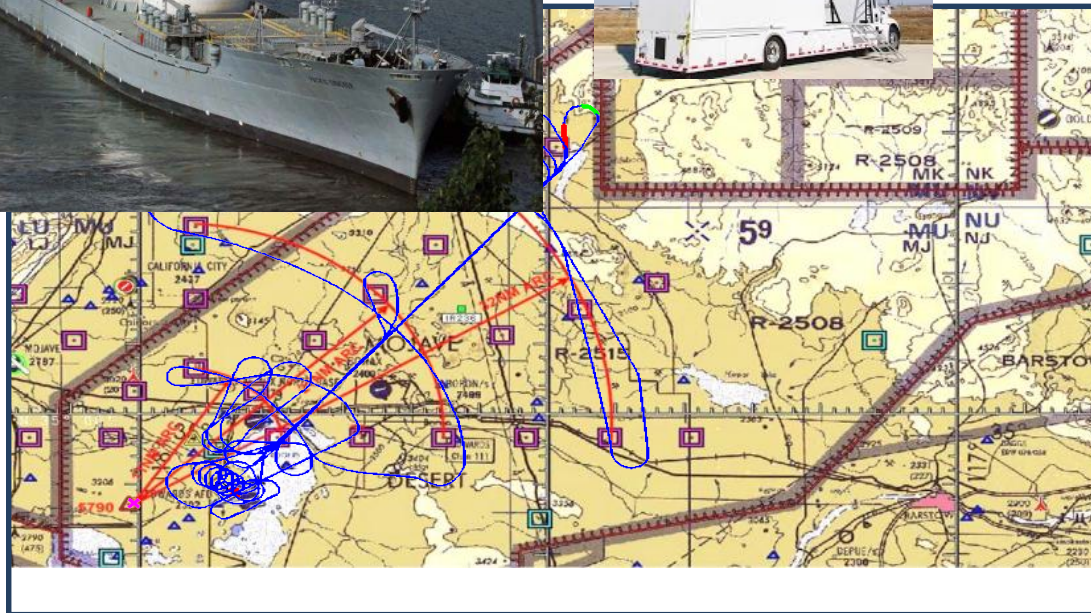
- Hypersonic
- Weapons
- Full range utilization
- Electronic fence
- Quality of service

Status – May 2018

- Developing requirements with:
 - AFTC
 - Eglin AFB
 - Point Mugu NAIR



Digital Beamforming Module



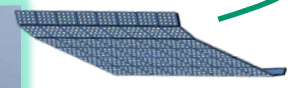
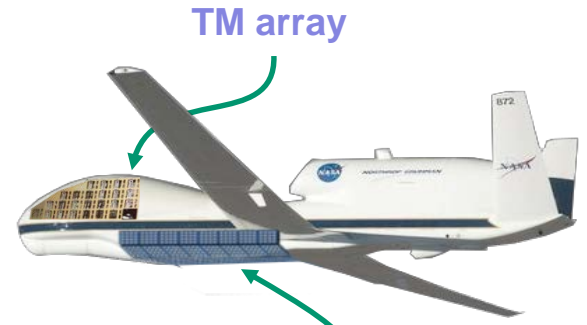
Flight Applications

Mission

- Hypersonic
- Weapons
- Full range utilization
- Quality of service
- Electronic fence

Status — May 2018

- Developing requirements with:
 - AFTC
 - Eglin AFB
 - Point Mugu NAVAL



TX/RX array

