

ECM AESA

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The ECM AESA is a tightly coupled dipole array (TCDA) with a patented aperture design, enabling low scan loss at wide angles. It was designed to be cost-effective, providing the best value compared to larger systems. The system leverages previous ICADS study and can potentially integrate with the ARA positioner to develop EDM.

The ECM AESA is a high-power wideband system with a frequency from 1 to 20 GHz, and is scalable in both form factor and frequency. It is a multi-beam and multi-band system, and can work across multiple platforms.

Antenna Type	Automatic electronically steered array (AESA)
Application	x
Frequency	Scalable over 1 to 20 GHz
Polarization	x

FEATURES

- High power and wideband frequency from 1 to 20 GHz
- Scalable in form factor and frequency
- Multi-beam and multi-band
- High EIRP
- Configures on multiple platforms
- TRL 6 / MRL 6 aperture, TRL 4 / MRL 3 electronics and packaging



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