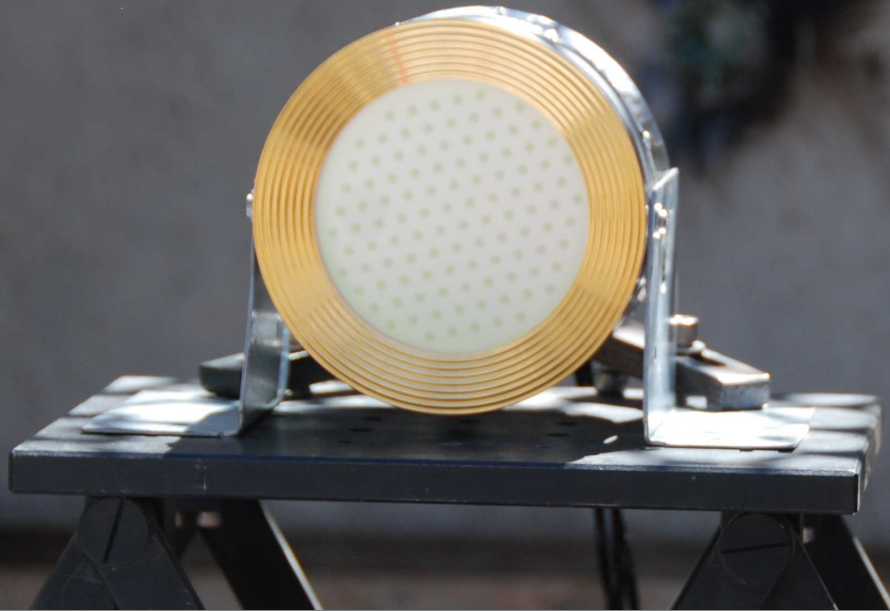


BITS

Beam Irradiance on Target System



- Direct measurement of HEL irradiance
- Dynamic range of $50\text{W}/\text{cm}^2$ to $5\text{kW}/\text{cm}^2$
- Sampling rate of 100Hz



- 20Mbit/s synchronous serial and RS-232 telemetry outputs
- Onboard telemetry recording using COTS flash memory cards
- Operates on 28V DC (3.8Watts)
- Time stamping of telemetry data using IRIG-B



- SemQuest awarded contract to integrate BITS onto the Aerostar AUV
 - BITS operates on native flight power
 - Integrated metrological sensors (MET) into TM data
 - Size, weight and power ideal for UAV targets