KORK

An active radar reflector

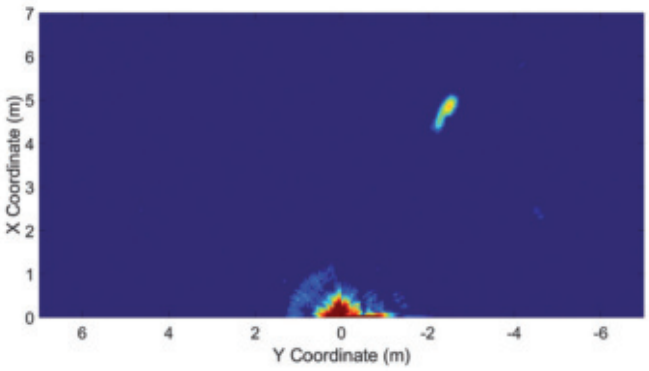
KORK introduces an active radar reflector combined with a visible optical marker to create a solution for aligning visual cameras and radar. The optical marker marks the reflector surface's center and corresponds to the radar signal's reflection center. The planarity of KORK allows it to sit in the same plane and avoid any angular error when aligning two or more sensor systems.

Main Features

- Visual camera and radar alignment
- Reduction of angular errors
- A visible radar cross-section over a wide angular range
- A frequency range of 76 – 81 GHz

Benefits of KORK

KORK's versatile design allows it to be integrated into a test laboratory or onto a production line. It is especially beneficial for sensor development and end-of-line (EoL) testing. In addition, verification of sensor alignment (e.g., for online algorithms) is possible with active radar reflector solutions.



The reflector shows up as a clearly visible spot in the radar image

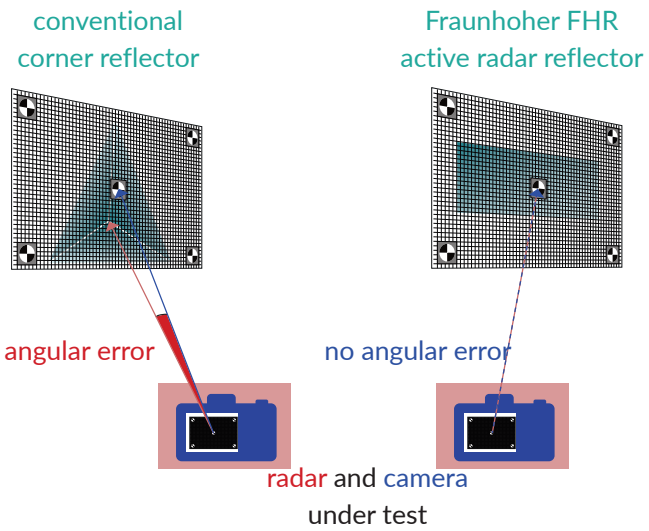


Image Engineering test chart with FHR Active Radar Reflector

Image is only a prototype and subject to change KORK-250331