



C-BAND ACTIVE RADAR CALIBRATOR (ARC)

Space Applications Centre (SAC) of Indian Space Research Organisation (ISRO) has developed a C-band active radar calibrator for calibration of microwave imaging sensors. It is a ground based equipment developed indigenously.

Salient Features

- ARC can calibrate individual Like and Cross-Polarised C-band SAR Channels; W, HH, VH, HV & Circular Polarisation using two ARC Rxs.
- Dual Polarized broadband (7%) multilayer microstrip antenna of 23 dB gain and cross polarization better than -40 dB.
- Antenna protected by radome using inverted patch.
- Receiver Input Signal range: -25 to -60 dBm, Max Tx signal: + 20dBm.
- Each Channel contains Selectable Gain with Digital control (Step: 1dB) & 6 bit Digital Phase Control in steps of 5.625 deg.

Technology Transfer

SAC/ISRO, offers to transfer this technology of the **C-band Active Radar Calibrator** developed by it to industries in India with adequate experience and facilities. Enterprises interested in obtaining knowhow may write giving details of their present activities, infrastructure and facilities.

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