

TECHNOLOGY TRANSFER AND INDUSTRY INTERFACE DIVISION (TTID) PLANNING AND PROJECTS GROUP (PPG)

*Technology Transfer Agreement of
Two Channel Monopulse Tracking Receiver signed on
06th April, 2011 in Director's Conference Room*



Between
SPACE APPLICATIONS CENTRE, AHMEDABAD
AND
M/s APOLLO MICROSYSTEMS, HYDERABAD

About Monopulse Tracking Receiver

Two Channel Monopulse Tracking Receiver has been developed for tracking GEO and LEO satellites at large earth stations. It is one of the subsystems of auto-track system in large earth stations. The tracking receiver receives two signals at IF corresponding to the sum channel and error channel of the feed assembly. It uses AGC and coherent demodulation to derive output voltages proportional to azimuth and elevation errors. These output voltages are used by antenna control unit to correct off-pointing. The receiver is low cost and has wide tracking range $70\text{MHz} \pm 250\text{KHz}$. Four units are installed at Master Control Facility, Hassan and working satisfactorily.



Dr. R R Navalgund, Director- SAC presiding over the event.













