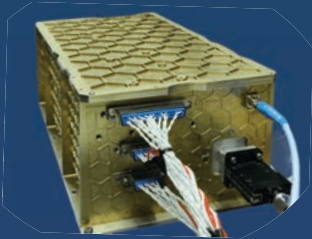




Microwave Tube Research & Development Centre (MTRDC)



About lab

Microwave Tube Research & Development Centre (MTRDC) was established in 1984 under DRDO, Min. of Def. with the vision to emerge as a major R&D centre in the field of microwave tubes.

It was established to develop advanced types of microwave tubes and systems to meet the present and futuristic needs of the country and establishing self-reliance in the strategic area. It is an ISO 9001:2015 certified laboratory of DRDO.

MTRDC product profile includes high power pulsed CCTWTs for ground and Airborne Radars, Helix mini-TWTs & MPMs for EW Systems, Communication systems and missile seeker applications. MTRDC has productionized number of these devices which had been fitted in some of the defense systems. Present thrust is on High Power Microwaves and THz Systems.

Technology achievements

Akash-NG Transmitter

Transmitter has been qualified with the R&QA (RCI). One missile firing trial was carried out.

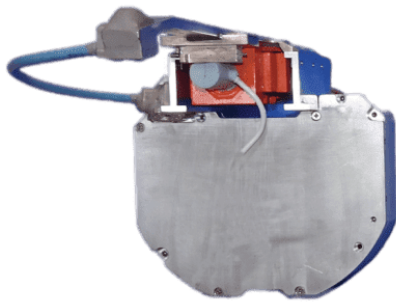


Brahmos Transmitter

The transmitter has been qualified with the R&QA (DRDL). This transmitter has been fitted and tested with Brahmos missile seeker in the ground test rig.



MBK Transmitter



Acceptance Testing (AT) has been completed with R&QA (RCI).

S-band CC TWT

S-band CC TWT: 6 numbers of CC TWTs are produced at M/s BEL, Bengaluru





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