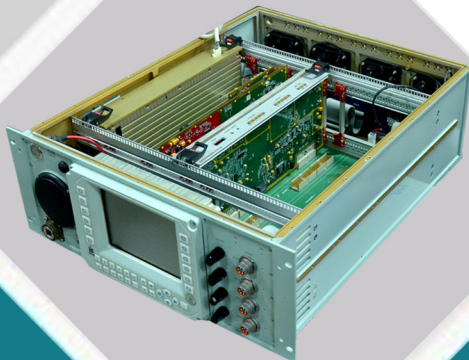# SOFTWARE DEFINED RADIO

सी डैक CDAC

Key Features

- Multiband Operation (3MHz to 1500MHz)
- 4 channel SDR
- Supports voice and data communication
- User data rate upto 6Mbps
- Flexible configuration
- Modular design
- Secure architecture
- Frequency coverage : HF, V/UHF and L Band
- Transmit power: 100W PEP for HF, 50W PEP for V/UHF and L Band
- Linear and Non-linear operation

Funded by **DeitY**

Waveforms

Voice Waveforms : FM
AM-DSB
AM-SSB

Data Waveforms : Wide Band High Data Rate (WB-HDR)
Narrow Band Low Data Rate with
Frequency Hopping (NB-LDR-FH)

Baseband Unit

RF Transceiver
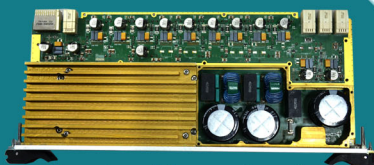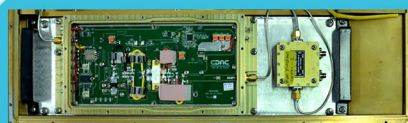(2 to 2000 MHz)

HF Band Power Amplifier

L Band Power Amplifier

L Band LNA & Preselector
with PA Connector

Baseband Power Supply

V/UHF Band Power Amplifier