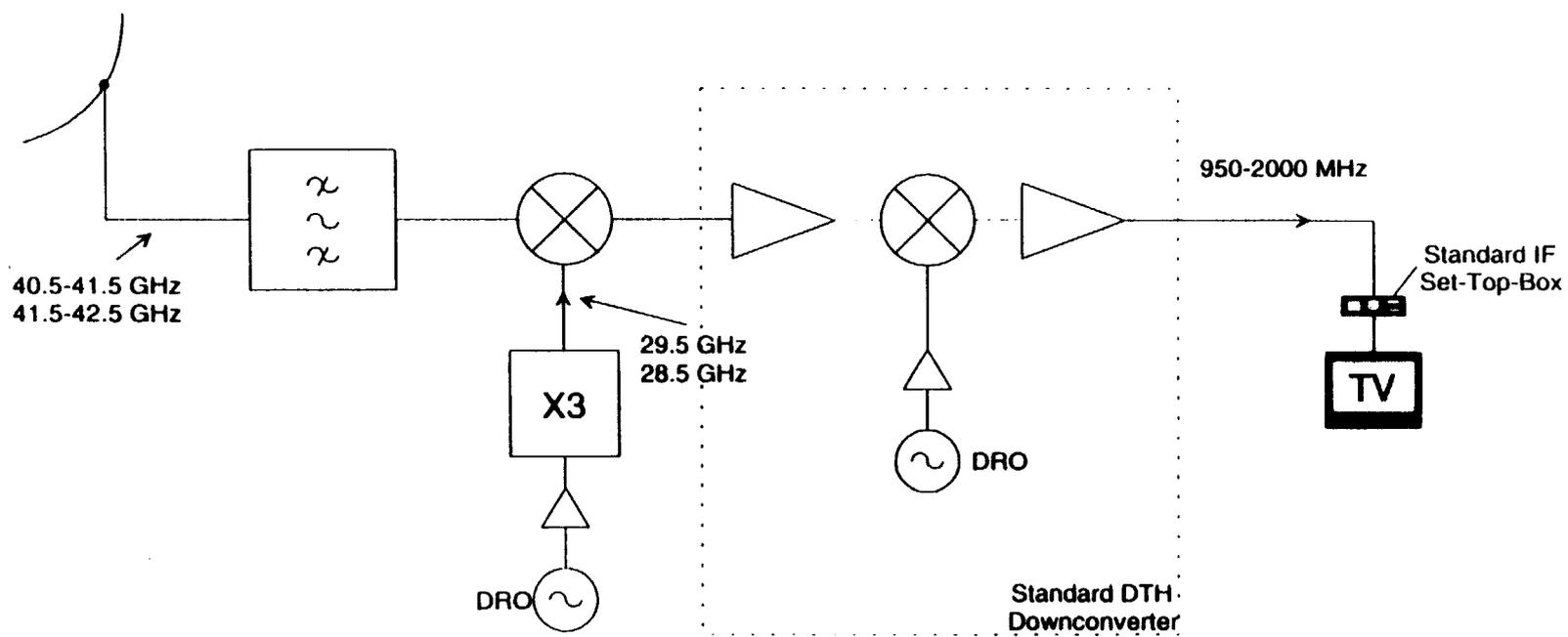
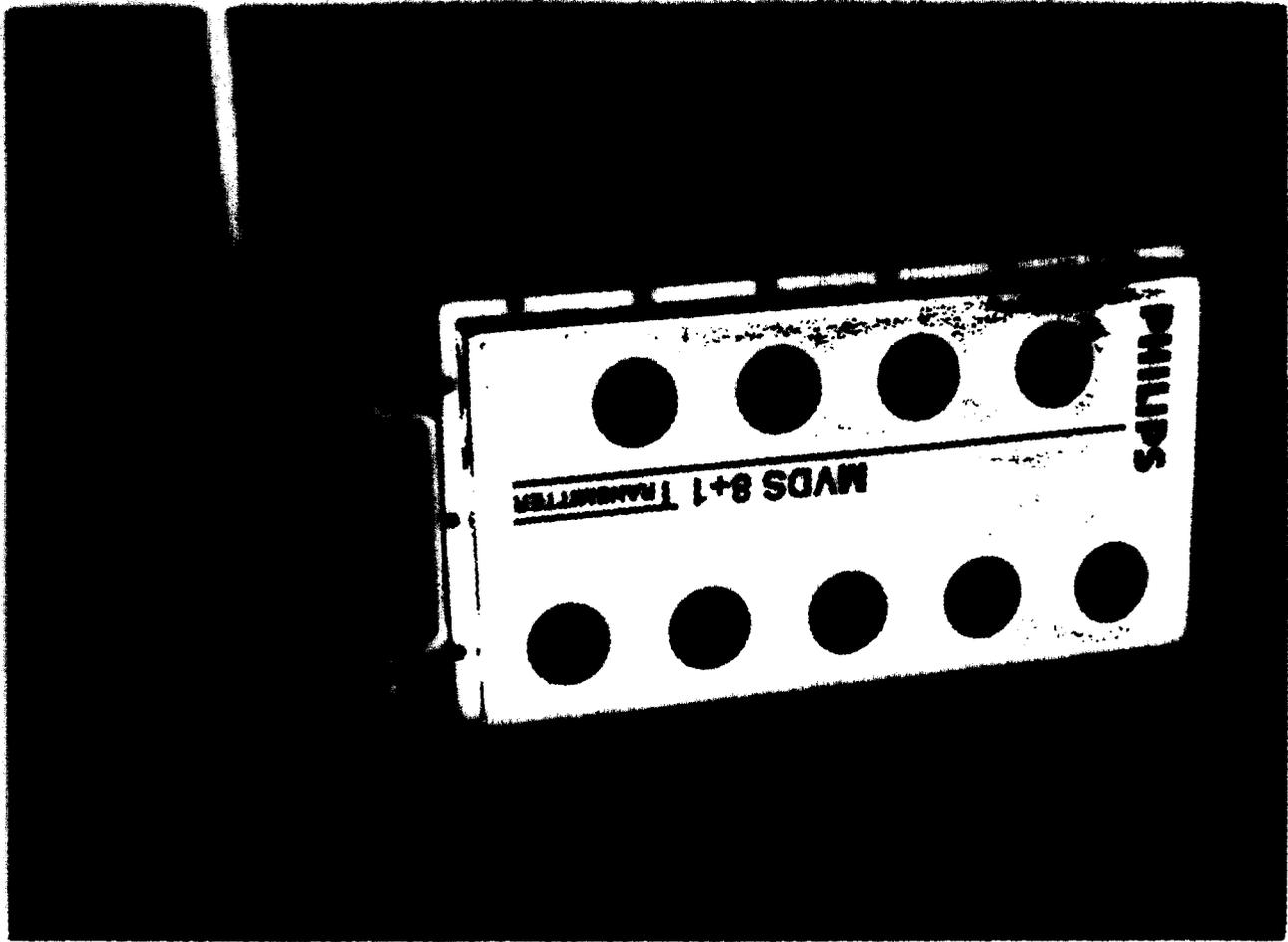


Current MVDS Equipment

- **Receiver Unit**
 - **Based on commercially available satellite DTH Downconverter**
 - **Extra downconversion stage from 40 GHz to 12 GHz (1st IF)**
 - **2nd IF: 950 - 2000 MHz**
 - **2nd IF fed into standard satellite DTH receiver set-top box**
- **Rx Antenna**
 - **Horn Antenna**
 - **Small size - low cost**
 - **High Gain (32 dBi) so eliminates need for LNA in Receiver**
- **estimated cost for 40 GHz MVDS receiver (excluding indoor set-top box) is £65 - £130**

Philips Receiver Unit





Current MVDS Equipment

- **Other Hardware Providers**
 - **GEC Marconi, UK**
 - **Working on 40 GHz MVDS demo, available June 1995**
 - **On target for production late 1995**
 - **40 GHz components available from a number of suppliers:**
 - **Farran Technology, Ireland**
 - **Thompson CSF**
 - **RACAL**

SUMMARY

- **Philips are developing 40 GHz equipment which will be available in production by August 1995**
- **Eurobell intend to use Philips equipment in their local delivery franchise which will begin in 1996**
- **Digital MVDS is currently being developed which can provide approx 300 channels in 1 GHz**
 - **Philips plan to have this 40 GHz digital equipment in production by end of 1996**