



Temperature range: -10° to $+50^{\circ}\text{C}$.
Capacity: 300 channels.
Frequency deviation: 200kHz per channel.



MH 150

Power output: 1W (nominal).
Receiver noise figure: Better than 13dB.
Threshold: -78dBm .
Intermediate frequency: 70MHz.
I.F selectivity: 25dB at $\pm 20\text{MHz}$; 60dB at $\pm 25\text{MHz}$.
A.F.C range: $\pm 10\text{MHz}$.
Baseband impedance: 75Ω unbalanced
Baseband input level: -45dBm .
Baseband output level: -15dB .
Automatic changeover: 5ms.
Power consumption: 200VA (approx.).
Power input: 110–240V single-phase a.c.
Dimensions:
 Height 134cm (4ft 4½in.)
 Width 71cm (2ft 3½in.)
 Depth 41cm (1ft 4in.)
 (with transportable box).
 Weight 132kg (290lb)
 (complete with change-over and e.o.w facilities).

S.H.F 960-Channel Radio Link Equipment Type MH161

Produced by Marconi Italiana, Genoa, Italy

The MH161 is a high capacity flexible and reliable radio link. It normally operates with active standby operating simultaneously on two different frequencies. Each transmitter consist essentially of a klystron directly modulated by the multiplex signal. The equipment operation to CCIR standards and has a maximum capacity of 960 channels.

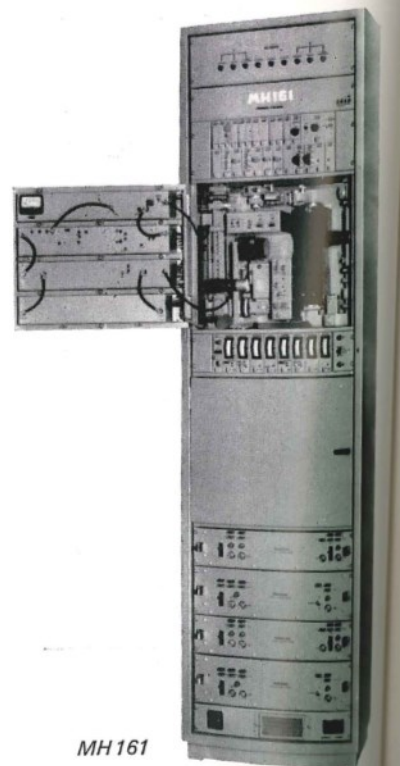
Features

- All Solid State except for klystron.
- High reliability.
- Repeater stations formed by connecting two terminals back to back.
- Full test and alarm device.
- Automatic high-speed switching between main and standby equipment.

Data summary

Radio frequency (R.F) band: 5925–7750MHz.

Frequency stability: Better than 0.01%.
Rated output power: 1W.
Receiver noise figure: Better than 12dB.
Threshold level: -75dB .
Receiver intermediate frequency: 70MHz.
I.F selectivity: 3dB at $\pm 18\text{MHz}$.
Baseband: 60–4287kHz.
Frequency deviation: 200kHz.
Baseband impedance: 75Ω unbalanced.
Baseband input level (from multiplex): -45 to -15dB .
Baseband output level (to multiplex): -20 to -35dB .
Power supply: 110 or 240V $\pm 2\%$ 50–60Hz.
Power consumption: 600VA per chassis.



MH 161

Dimensions:
 Height 228cm (7ft 6in.)
 Width 60cm (2ft)
 Depth 26cm (10½in.)