

Microwave Radio Link Equipment

	<i>Band</i>	<i>Type, Frequency Range and Transmitter Power</i>			<i>Page No.</i>	<i>Notes</i>
24 Channel	VHF	HM 181 Terminal	150–200 Mc/s	10–15 W	401	Terminals may be operated back-to-back to form repeater stations.
48 Channel	VHF	HM 101 Terminal	60–73 Mc/s	10–20 W	397	The power output of a Type HM 101 or HM 102 terminal can be raised to 200 W by using a Type HM 190 amplifier (<i>p.</i> 399).
		HM 102 Terminal	73–88 Mc/s		„	
		HM 104 Terminal	150–185 Mc/s		„	
		HM 105 Terminal	185–230 Mc/s		„	
		HM 151 Repeater	60–73 Mc/s	10–20 W	397	The power output of a Type HM 151 or HM 152 repeater can be raised to 200 W using Type HM 190 amplifiers (<i>p.</i> 399).
		HM 152 Repeater	73–88 Mc/s		„	
		HM 154 Repeater	150–185 Mc/s		„	
		HM 155 Repeater	185–230 Mc/s		„	
60 Channel	UHF	HM 400 Series Terminal	335–470 Mc/s	5–10 W	409	In addition to the standard 60-channel super-group (60–312 kc/s), 12 channels can be accommodated between 12 and 60 kc/s.
		HM 450 Series Repeater	335–470 Mc/s	5–10 W	„	
60 Channel	SHF	HM 300 Series Terminal	3900–4200 Mc/s	250–500 mW	407	In addition to the standard 60-channel super-group (60–312 kc/s), 12 channels can be accommodated between 12 and 60 kc/s.
		HM 350 Series Repeater	3900–4200 Mc/s	250–500 mW	„	
120–600 Channel	UHF	HM 200 Series Terminal	1750–2300 Mc/s	10–15 W	403	Modem equipment is available to send a high definition television programme over this link (<i>p.</i> 405).
		HM 250 Series Repeater	1750–2300 Mc/s	10–15 W	„	
Portable	SHF	HP 311 Terminal	4580–4860 Mc/s	150–250 mW	415	Terminals may be operated back-to-back to form repeater stations. Up to 7 channels may be handled using suitable associated portable channelling equipment, up to 12 channels using fixed channelling equipment.

A suitable range of VHF aerials is described on *p.* 593,

UHF and SHF aerials on *p.* 595.

Self-supporting towers to carry these aerials are described on *p.* 599.