

WROTHAM FM RADIO

Radio 1	98.8 MHz
Radio 2	89.1 MHz
Radio 3	91.3 MHz
Radio 4	93.5 MHz
Power (Max erp)	250 kW (not R 1)
Power (Max erp)	125 kW (R 1 only)
Polarisation	mixed
Mean ht. of aerial	150m agl, 369m aod
Transmitter site	Wrotham, Kent.
National Grid Reference	TQ 595604

Key : Service area (area slightly reduced for R 1)
 : Relay station ▲



The service area is where the average field strength is not less than 54 dB (relative to $1 \mu\text{V}/\text{m}$) at a height of 10m. The service areas of the relays are not shown but technical details are listed overleaf.

Notes

Sensitive radios may work beyond the area shown particularly on high ground.

54 dB field strength produces typically $300 \mu\text{V}$ terminated signal using a two element aerial and 15m of coaxial downlead. (A top quality receiver requires $200 \mu\text{V}$ for 60 dB S/N.)

The FM broadcasts of BBC Radio Kent are also transmitted from the Wrotham mast.