



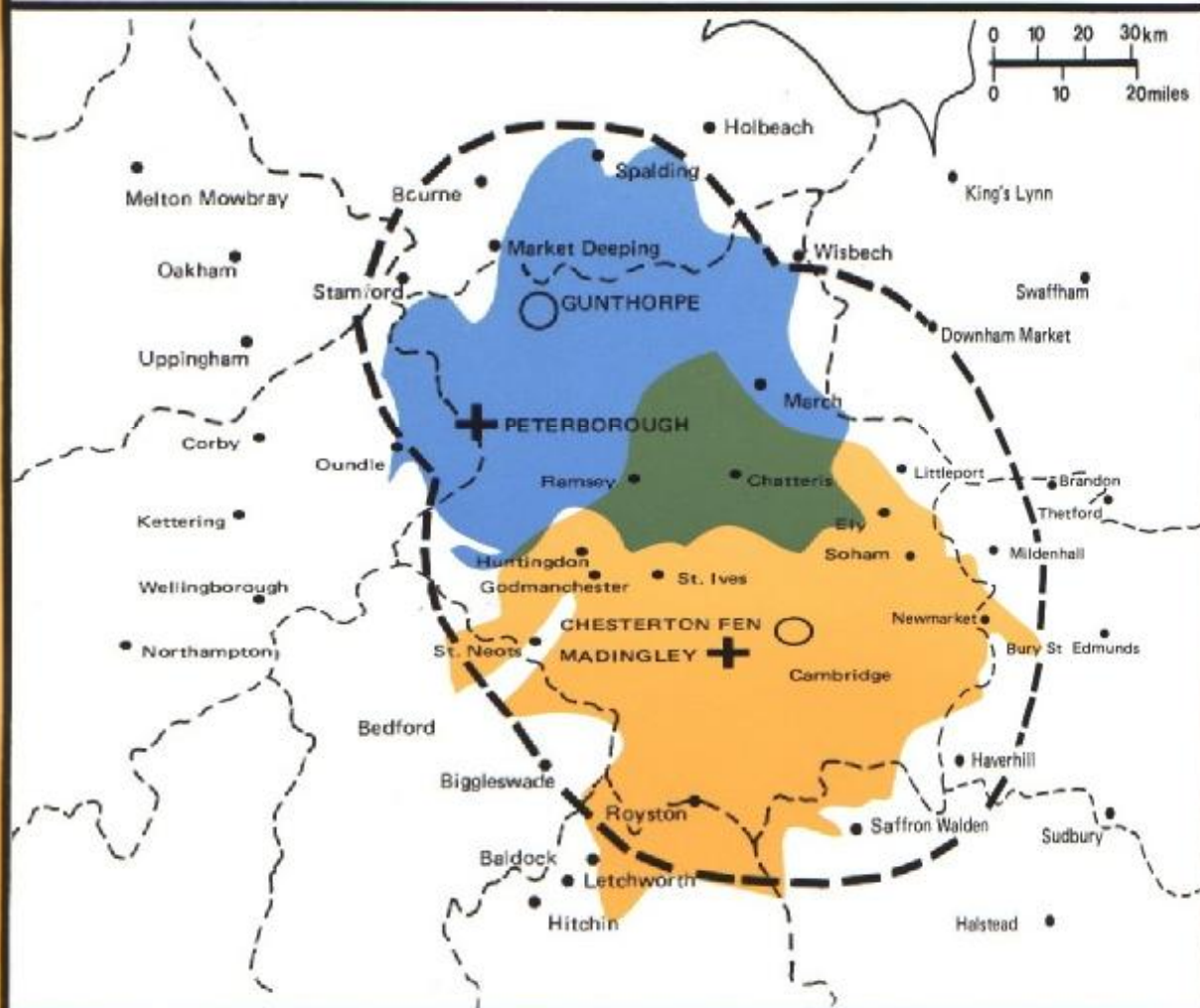


BBC RADIO CAMBRIDGESHIRE

FM Service			Medium Wave		
Transmitter	Madingley (Cambridge)	Peterborough	Transmitter	Chesterton Fen (Cambridge)	Gunthorpe (Peterborough)
Frequency	96.0 MHz	95.7 MHz	Frequency	1026 kHz	1449 kHz
Polarisation	mixed	mixed	Wavelength	292 m	207 m
Power (max erp)	1 kW	5.1 kW	Power	500 W	150 W
Mean ht. of aerial	65m agl, 128m aod	76m agl, 132m aod	Grid Reference	TL 477608	TF 189032
Grid Reference	TL 392599	TL 127913			
Key					



Service Areas

For FM: correspond to a field strength of 54 dB (relative to $1\mu\text{V}/\text{m}$) at a height of 10m.

For MW: correspond to a field strength of $2\text{mV}/\text{m}$.

Notes

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

54 dB FM 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).

MW service area is effectively reduced during dusk and night-time due to interference from other MW transmitters.