



**Martyn Gawthorpe**  
Radio frequency engineer

I've held senior RF engineering posts with:

Home Office Directorate of Telecommunications, Harrow, wide area and local VHF/UHF mobile radio systems. 4 years

Continental Microwave Ltd, Dunstable, Satcom sub systems. 2 years

Tunstall Group, Whitley Bridge, Principal RF Engineer / Section Leader. High volume VHF/UHF short range radios for worldwide markets. 6 years

I established my consulting business in 1989 trading as RF Design, based at the Newlands Science Park, University of Hull. More recently I'm based at home.

### **Experience and expertise**

- ✚ Wireless design and development at component level.
- ✚ Project lead responsibility for approximately 80 RF product designs since 1989, many incorporating novel solutions, some in multiple million production volumes.
- ✚ Electrically small antenna design from HF through microwave.
- ✚ Radio system engineering. Radio propagation planning.
- ✚ Radio system compatibility engineering.
- ✚ Very high power RF amplifier design at HF and VHF.
- ✚ EMC pre-compliance testing and remedial design.
- ✚ Radio regulatory pre-compliance testing and self-declaration.

### **Motivation**

I have a lifelong interest in and a passion for wireless communications. This drives me to 'put in the hours' to keep abreast of technology and regulatory trends. I've been fortunate to combine this with a 30 year consulting career working alongside and inside client development teams in both market leading commercial groups and embryonic companies.

I'm told my approach is hands-on, can-do and flexible. I take that as a compliment!

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