

Suitability

This programme is for the experienced participant who ideally has completed stage 1 or has good knowledge of all aspects of terrestrial and satellite reception with simple IRS.

Aims

This 2 day programme will equip the participants to design and build an IRS.

Objectives

On completing this programme the participants will be able to design, build and troubleshoot an IRS.

Content

- Revision of the Electromagnetic Spectrum.
- Revision of acceptable minimum and maximum signal parameters.
- Avoiding interference.
- Use of filters.
- Channel planning.
- Calculating losses and gains in a system.
- Different types of IRS.
- Power requirements.
- System design.
- System build.
- The importance of maintenance.
- Fault finding methods.
- Rectifying faults.

Learning Outcomes

By completing this programme each participant will be able to;

- Calculate signal losses and gains.
- Design and build an IRS.
- Diagnose and rectify faults in an IRS.

Learning Style

This programme is classroom based and contains theoretical and practical exercises. Each participant will design and build an IRS and find faults on pre-built systems. There will be written exercises on calculating signal losses in a system.

Assessment Method

The assessment method for this programme is by means of practical worksheets and multiple choice open book assessment paper with a pass mark of 65%.

Programme Duration

This programme is run over 2 days.

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This programme is run over 2-days

Programme Cost -

Member Rate £330
Non Member Rate £465