

Curriculum

2-DAY WORKSHOP ON LOCATING AND CORRECTING POWER LINE / ELECTRICAL INTERFERENCE

DAY 1

Welcoming Introductions, Background Information
Definition of Power Line Interference
IEEE P1897 Recommended Practice/Standard, Introduction to
Causes of Power Line Interference, Transmission & Distribution
 What Causes Power Line Sparking
 How Sparking Is Transmitted: Conduction, Induction and Radiation
 External Sources and How Weather Affects Them
 Electric Field and Noise Propagation
Identifying the Source Causing the Complaints from:
 Hams, Broadcast Radio & TV, FAA
Methods of Detection: Audio, VHF, UHF, and Ultrasonic
 Frequency Range of Sparking Noise Interference
Locating Power Line Interference
 Common Sparking Sources
 Locating Only the Specific Cause of the Customer's RFI
 Techniques & Equipment Demonstrations
 What to use and when to use it

DAY 2

Introduction to the Customer/Complainant
 The First and Most Important Step to Solving the Complaint
 All the Right Questions & All the Right Moves
Correction of Power line Interference
 Repairing only the source causing the complaint
 Correction and Prevention of Poor Hardware Connections
Non-Power Line Sources
 How to Locate the Home Containing the Source
 How to Locate Internal Sources
 Common Sources
 Safety in Handling Non-Power Line Noise Sources
 Tailgate and Field Exercise
Locating Power Line Interference Sources from the Field

Evaluation