

Surveillance Threats & Countermeasures	SuperBroom	Scanlock M2 Stand alone operation	Scanlock M2 global software	Detect IV
<p>At the end of this course students will:-</p> <ul style="list-style-type: none"> •understand the concept and application of covert electronic surveillance •have an appreciation of the measures available to protect their organization •understand the need for threat level assessment <p>Topics covered include:-</p> <p>Threats</p> <ul style="list-style-type: none"> Who is at risk? How much of a problem? How is it done? The main types of surveillance device Radio transmitters Receiving Equipment Methods of deployment Optical devices Cable transmission Telephone interception Other threats Information paths <p>Countermeasures</p> <ul style="list-style-type: none"> Prevention or Cure? Access control Safe room Staff & Contractor Vetting Jamming Education Scrambling & Encryption Countermeasures search TSCM Equipment Preparation & Planning Reporting Discovering a listening device Threat assessment 	<p>Equipment capabilities</p> <p>Harmonic Radar Theory</p> <p>Harmonic Radar Re-Radiation</p> <p>Equipment Configuration</p> <p>User Controls</p> <p>Battery technology</p> <p>Operation</p> <p>Transmitter Power Control</p> <p>Display</p> <p>Search Operation</p> <p>Additional Functions</p>	<p>General discussion of M2 as a countermeasures receiver</p> <p>Overview of radio spectrum usage</p> <p>General sweep considerations and good-practise</p> <p>Detect > Decide > Locate</p> <p>M2 Features</p> <ul style="list-style-type: none"> CF 0 – 10MHz RF 10MHz to 5GHz Built-in demodulators Front panel controls and indicators <p>Basic Operation</p> <ul style="list-style-type: none"> Receiver selection Tuning Modes Audio Modes Gain <p>Scanning Modes</p> <ul style="list-style-type: none"> SCAN PCSn Man MCSn <p>Automatic Tuning</p> <ul style="list-style-type: none"> SSS <p>Audio Modes</p> <ul style="list-style-type: none"> AM FM Nar SLK LOC ALM <p>GAIN setting</p> <p>Spectrum Compression</p> <ul style="list-style-type: none"> Swept Fixed <p>Cable Clamp Accessory</p> <ul style="list-style-type: none"> Cable Checking 	<p>Installing the M2 Global Software</p> <p>Installing the USB–RS232 adaptor and software</p> <p>Connecting the M2 to the PC</p> <ul style="list-style-type: none"> Direct Modem Remote Link <p>General discussion of direct vs remote configuration and operation</p> <p>Starting the program for the first time</p> <p>Selecting the working directory</p> <ul style="list-style-type: none"> why and how <p>Configuring the communications link</p> <p>Control SL</p> <ul style="list-style-type: none"> Standard Expert <p>Basic Scanning</p> <p>Reference Scans</p> <ul style="list-style-type: none"> Why and How <p>Display Controls</p> <ul style="list-style-type: none"> Zoom <p>Display Options</p> <ul style="list-style-type: none"> Stacked Difference Peak-Hold Hide Reference Y-Scale 3D 	<p>Detect IV Overview</p> <p>Basic Operating Method</p> <ul style="list-style-type: none"> Detect Mode <p>Advanced Operating Method</p> <ul style="list-style-type: none"> Broadband CW Broadband Burst Harmonic Receiver NLJD & Metal Detector Harmonic Radar Signal-Re-Radiation Signal Quieting Locate Function Event Log Snapshots References