






## Equipment Utilised During TSCM Survey

### Radio Frequency (RF) Investigations


<u>Picture</u>	<u>DESCRIPTON</u>
	OSCOR Green OGR-24 Spectrum Analyser. The OGR-24 is the latest radio frequency countermeasures receiver on the market purposefully designed for TSCM work. The handheld spectrum analyser sweeps up to 24 GHz in one second and is an excellent instrument to establish a baseline RF footprint.
	CPM-700 Counter Surveillance Probe Monitor Deluxe (Including) Broadband Microwave Probe (2 GHz – 12 GHz) ☒ Standard RF Probe ☒ Infrared Probe ☒ Acoustic Leakage Probe ☒ VLF Probe ☒ Modular Phone Adapter ☒ Sniffer Probe.
	Video Sweeper Wireless Video Camera detector operating in the 1.2 GHz, 2.4 GHz and 5.6 - 5.8 GHz bands. Displaying the video in various formats, PAL, SECAM and NTSC.
	DMC-3 Detector of Mobile Communications. The DMC-3 is a highly sensitive RF analyser operating in the frequency range from 860





	<p>MHz – 2.5 GHz and is designed for the detection of mobile phone and wireless activity.</p>
	<p>Wolfhound Pro Cell Phone and GSM Bug Detector. It is a high speed scanning receiver utilising a multi band direction finding antenna system to locate cellular telephones and RF bugs operating on the GSM frequency. It also locates the transmitting device or cellular telephone.</p>
	<p>Mantis Blue Tooth Detector is handheld, wireless designed transceiver specifically designed for scanning, checking, locating and verifying nearby Bluetooth devices.</p>

### Telephone and Cable Investigations

<u>Picture</u>	<u>DESCRIPTON</u>
	<p>DPA-7000 Telephone and Line Analyser is the most advance test equipment available to TSCM personnel to test digital, VoIP and analogue lines telephone systems and lines for the presence of telephone taps and other types of surveillance devices.</p>

### Physical Search Tools

<u>Picture</u>	<u>DESCRIPTON</u>
	<p>Orion Non-Linear Junction Evaluator (NLJE). A complete visual examination is conducted with the aid of non-linear junction detector to detect devices that do not transmit via radio frequencies.</p>
	<p>Orion TSCM Inspection Tool Kit Includes various physical inspection tools, borescope, multimeter, RF</p>

	<p>Line tester, UV light and pen, etc.</p>
	<p>Flir T425 Thermal Infrared Camera - Objects such as eavesdropping devices emit heat that are emitting energy. This energy can be classified as infrared energy. We utilise the thermal imagery to support our physical inspections.</p>
	<p>RTR-4is is a small, lightweight, and durable portable digital x-ray inspection system.</p>
	<p>VPC-64 VPC Video Pole Camera with – B &amp; W and colour camera heads.</p>

**Comments:**

Our sweep teams have the most advanced equipment commercially available and we have the capacity to sweep the higher frequencies for sophisticated listening devices and cameras. We sweep up to 24 GHz. We provide a more comprehensive radio frequency (RF) survey service. We also have the capacity to test VoIP lines.

Our equipment is calibrated annually.

**Membership**

Our sweep teams are members of the following professional associations:

- Business Espionage Countermeasures South Africa (BECSA)
- South African Institute of Security (SAIS)
- Information Security Group SA (IGSA)
- American Society of Industrial Security (ASIS)(USA)
- Espionage Research Institute (ERI) (USA)
- Centre for Counterintelligence and Security Studies (CI Centre) (USA)