

# **Southwest Microwave, Inc.**

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## **Federal Communication Commission Office of Engineering and Technology**

Subject: Confidential Files

Processing Staff:

MicroTrack is a new buried cable outdoor perimeter intrusion detection system. MicroTrack is the first buried cable sensor that is truly site-adaptive and can both detect and locate intruders. MicroTrack is a smart sensor with an integral power and data network. It is patented and it is the first outdoor intrusion detection sensor to use ultra wide band FS/PCM (frequency stepped, phase code modulated) technology.

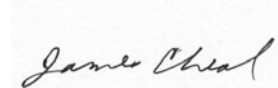
Typical site applications are listed below.

- Military installations
- Parked aircraft areas
- Government facilities
- Nuclear power plants
- Electrical substations
- Equipment storage areas
- Pharmaceutical plants
- Correctional facilities
- Commercial airports
- Oil, gas and petrochemical facilities
- R&D facilities
- Banking and computer centres
- Vehicle parking areas
- Communications facilities
- Border crossing area

Rule section 0.457(a2) and 0.457(d)

With many of the applications associated with Military or Homeland Defence, Southwest Microwave, Inc. requests that certain designated files, schematics, operational description and block diagrams be treated as confidential. A technically sophisticated terrorist might design equipment to defeat the intrusion alarm system if the MicroTrack schematics and operational description were available. Although MicroTrack is a patented system, foreign competitors would be advantaged if they had access to the schematics and operational description.

Sincerely,



James Cheal  
Director of Research  
Southwest Microwave, Inc.