



ELECTRONIC WARFARE SUPPORT SYSTEMS

ELINT DATA COLLECTION SYSTEMS

ESM SYSTEMS FOR DISMOUNTED PERSONNEL

ESM SENSOR SYSTEMS FOR EOB/ECM/EA MISSIONS

AVTOR

- Lightweight spectrum analyser for all UAS/UAV applications.
- Built-in solid state recorder with GPS module.
- Correlates the detected RF signal with GEO-data, date & time.

NOMATOR

- Battery powered and completely self-contained spectrum analyser for all rotor & fixed wing applications.
- Built-in solid state RF recorder & GPS module.
- Correlates the detected RF signal GEO-data, date & time.

SPECTOR

- ESM/ELINT RF sensor & Watchdog system with trigger options. Alarms transmitted as SMS via GSM or Iridium networks.

MENTOR

- Body worn RF spectrum analyser & early warning of hostile RF activities. The system designed for dismounted personnel.

AVTOR Flying spectrum analyzer for UAS / UAV applications



APPLICATIONS:

- Lightweight airborne RF analysis system for all types of UAS/UAV applications.
- Detects and records RF activity from a given area & correlate with position, date & time.
- Collect valuable pre-operation information for adjusting strategic/tactical systems & attack jammers.
- Detect ongoing jamming activity.

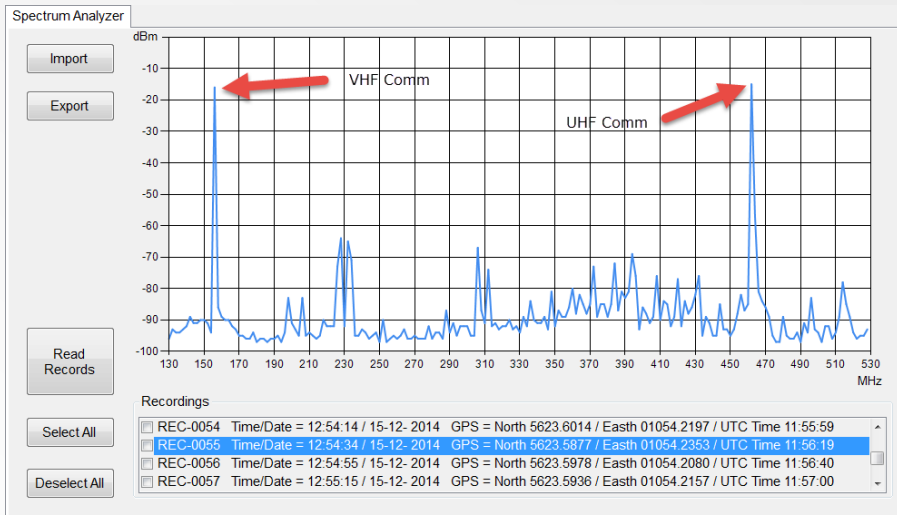
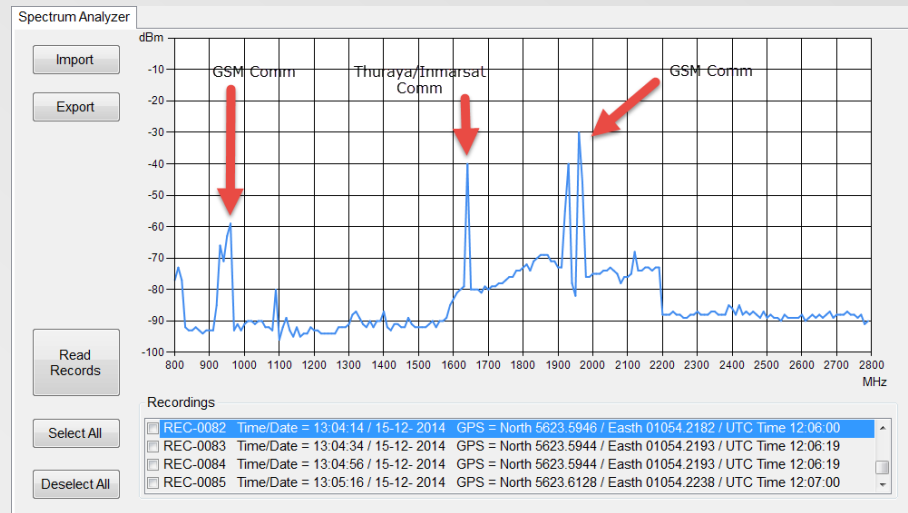
KEY FEATURES:

- Extremely cost effective ELINT system.
- Built-in solid state recorder and GPS module for storing detected signals & Geodata.
- Correlates the detected signal with its position, date & time.
- 12 channels for easy and individual setup of hostile frequencies.
- Programmable white-list frequencies.
- Trigger functions.

KEY SPECIFICATIONS:

- Payload between 150-300 grams / 5.3-10.5 oz depending on configuration.
- Frequency range from 25 MHz to 3 GHz
- Power requirements 6-18 VDC.
- Current consumption 40 mA @ 12 VDC.
- Altitude up to 90.000 feet

AVTOR Simple postprocessing analytic software



NOMATOR Quick Fix stand-alone system.



KEY FEATURES:

- Programmable Rapid Wideband Smart Scan in the frequency range from 20 MHz to 3 GHz.
- Built-in solid state recorder & GPS module.
- Correlates the detected signal with its position, date & time.
- 12 channels for easy and individual programming of threat / hostile frequencies.
- Programmable whitelist frequencies.

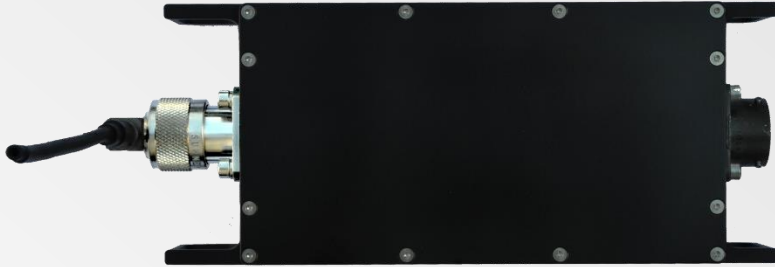
APPLICATIONS:

- Battery powered & completely self-contained spectrum analyser for all rotor & fixed wing applications.

KEY SPECIFICATIONS:

- Payload approximately 1,5 Kg / 3.30 lbs.
- Frequency range from 25 MHz to 3 GHz
- Frequency step 10 KHz.
- Selectable IF bandwidth 100 KHz, 500 KHz, 2 MHz, 5 MHz, 10 MHz.
- Max detector sensitivity 10 dB S/N.
- Detector sensitivity range \div 80 dBm to \div 10 dBm.
- Power supply via internal rechargeable battery or external supply 6-18 VDC.
- Altitude 90.000 feet
- Housing pelicase type 1120

SPECTOR Close Proximity RF Watchdog



APPLICATIONS:

- Small programmable ESM/ELINT RF Emission Detector
- Detect close proximity hostile RF activity Sat-phone, PMR, Military Comms-radio etc. Then trigger an alarm and or relay direct.
- Field deployable to remote and or hostile areas.

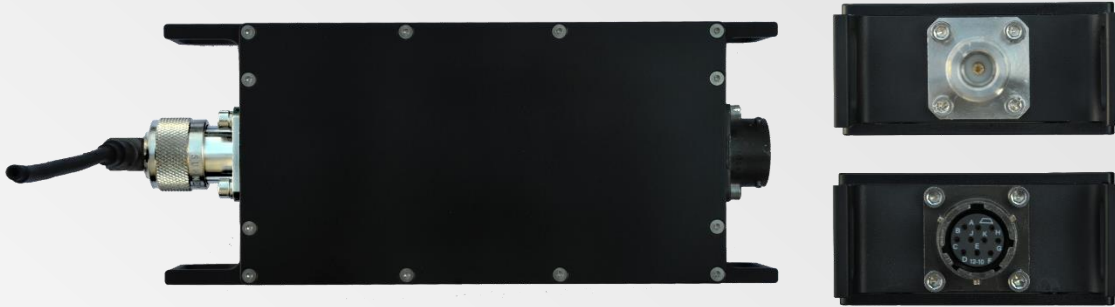
KEY FEATURES:

- 12 channels for easy and individual setup of threat frequencies, alarms and triggers.
- 4 pre-programmed channels for cellular and satellite phone activity.
- Programmable white-list frequencies.
- Alarms and feedback via GSM or Iridium networks.
- Real-time RF emission detection.
- Very low power consumption.

KEY SPECIFICATIONS:

- Frequency range from 25 MHz to 3 GHz
- Frequency step 10 KHz
- Selectable IF bandwidth 100 KHz, 500 KHz, 2 MHz, 5 MHz, 10 MHz
- Max detector sensitivity 10 dB S/N
- Detector sensitivity range \div 80 dBm to \div 10 dBm
- Power requirements 6 to 18 VDC
- Current consumption typ. 60 mA @ 12 VDC
- Size 120 x 60 x 31 mm / 4.72 x 2.36 x 1.22 inches

SPECTOR Extremely easy set-up software



SEQTOR

File - SPECTOR - ?

Settings Channel Settings Friendly Channels

Standard Channels

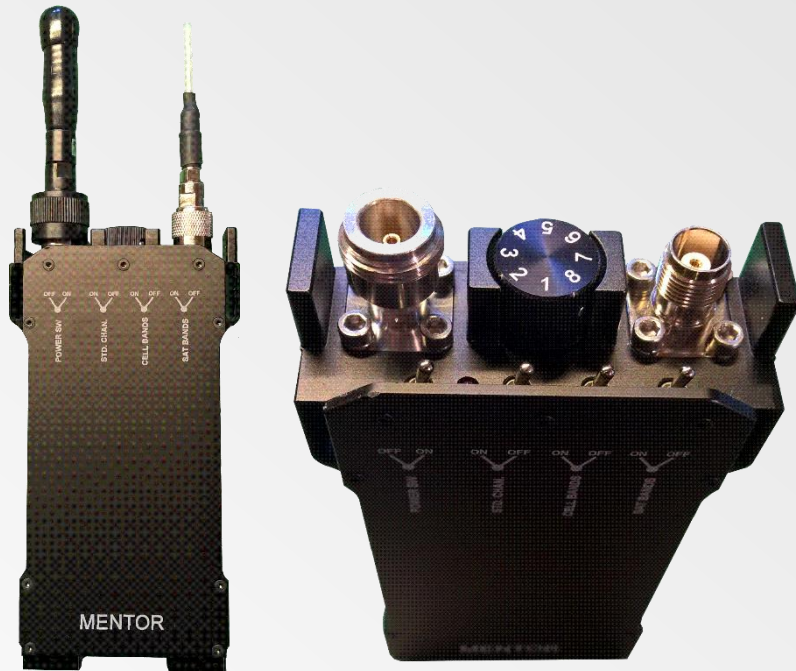
CH	Channel ID	Frequency	Bandwidth	Dwell Time	Relay	Range		
CH1							Add	Clear
CH2							Add	Clear
CH3							Add	Clear
CH4							Add	Clear
CH5							Add	Clear
CH6							Add	Clear
CH7							Add	Clear
CH8							Add	Clear
CH9							Add	Clear
CH10							Add	Clear
CH11							Add	Clear
CH12							Add	Clear

CELL Bands

BAND	System	Frequency Span	Relay	Range		
Band1					Add	Clear
Band2					Add	Clear
Band3					Add	Clear
Band4					Add	Clear

15-05-2013 12:52:56 Alarm Relay 1 Alarm Relay 2 Programming Mode SPECTOR 3000 Connected

MENTOR Shooters Sixt Sence Sensor



KEY SPECIFICATIONS:

- Frequency range from 25 MHz to 3 GHz
- Frequency step 10 KHz
- Selectable IF bandwidth 100 KHz, 500 KHz, 2 MHz, 5 MHz, 10 MHz
- Max detector sensitivity 10 dB S/N
- Detector sensitivity range \div 80 dBm to \div 10 dBm
- Power supply 4 x AA batteries
- Size 152.5 x 77.5 x 32.5 mm
6.0 x 3.05 x 1.28 inches

APPLICATIONS:

- Hand-held / Body-worn, **VERY SIMPLE** personal spectrum analyser system for dismounted personnel.
- **EARLY WARNING ON HOSTILE RF ACTIVITIES**
- The EW suite for the dismounted back-packer.
- Enables Your Dismounted SOF patrol to become their own Spectrum Worriers & EW Sensor.

KEY FEATURES:

- Early warning of enemy RF activity within proximity.
- Detects RF activity from tactical radios, personal radios, cellular phones, satellite phones and RF based IED trigger systems from a an operational safe distance.
- Built-in solid state recorder and GPS module that correlates the detected signal with its position, date & time.
- Two pre-programmed banks of all GSM and Satellite communication frequencies
- 1 bank with 12 channels for easy and individual programming of other threat frequencies.
- Programmable whitelist frequencies.
- Real-time alerting via internal or external buzzer/vibrator

MENTOR In-field software for rapid analysis

SEQTOR
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Settings | Channel Settings | Friendly Channels | Analyzer

MENTOR ID
MENTOR
Change

Battery Save Mode
 No Pause
 250 mSec
 500 mSec
 750 mSec
 1 Sec
 2 Sec

Analyzer Settings
 Start Frequency
88 MHz
 Stop Frequency
108 MHz
 Frequency Step
0.1 MHz
 Change

Analyzer Scan On/Off
 Off
 On

Reset Analyzer Records
Reset

11-03-2013 08:58:02 | Programming Mode | MENTOR Connected

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Settings | Channel Settings | Friendly Channels | Analyzer |

Spectrum Analyzer

Import File
Export File
 CSV File

Read Records
Cancel

Select All
Deselect All

Recordings

Select	Rec No	Time	Date	GPS Position	GPS UTC Time
<input type="checkbox"/>	0013	07:48:35	30-03-2015	View more	05:48:46
<input type="checkbox"/>	0014	07:48:55	30-03-2015	View more	05:48:46
<input checked="" type="checkbox"/>	0015	07:49:15	30-03-2015	View more	05:49:27
<input type="checkbox"/>	0016	07:49:35	30-03-2015	View more	05:49:44

31-03-2015 13:36:20 | MENTOR Not Connected

SEQTOR
File • MENTOR • ?

Settings | Channel Settings | Friendly Channels | Analyzer

Standard Channels

CH	Channel ID	Frequency	Bandwith	Dwell Time	Add	Clear
CH1					Add	Clear
CH2					Add	Clear
CH3					Add	Clear
CH4					Add	Clear
CH5					Add	Clear
CH6					Add	Clear
CH7					Add	Clear
CH8					Add	Clear
CH9					Add	Clear
CH10					Add	Clear
CH11					Add	Clear
CH12					Add	Clear

CELL Bands

BAND	System	Frequency Span	Add	Clear
Band1			Add	Clear
Band2			Add	Clear
Band3			Add	Clear
Band4			Add	Clear

11-03-2013 09:13:40 | Programming Mode | MENTOR Connected