RF Signal Capture and playback for Drone / NTN

Optimizing Drone & NTN Communications: RF Monitoring with portable ABIT RF monitor.

**Expanding drone and NTN communications,
the ABIT Portable RF Monitor is ideal for quality testing and troubleshooting.**

**ABIT RF monitor is a wideband RF receiver capable of capturing
and playing back RF signals.
It is compact, lightweight, and battery-powered, ensuring easy deployment
at drone and NTN communication test sites.**

**Trouble shooting tool for FDD/TDD LTE Field Test
Record and store LTE signal by IQ format
Real-time display of RRC/NAS messages
Increase receiving gain by multi-units combination**

ABIT RF Monitor has a proven track record
of monitoring communication quality
and troubleshooting for communication carriers for decades.
Its reliability and technological capabilities are highly regarded
in the telecommunications industry.

Key Features

- ✅ OTA LTE signal passive receiver for Field Test (Static environment)
- ✅ Selective RF band
- ✅ Portable and Battery driven
- ✅ 15min IQ data storage by over writing record
- ✅ RRC message Real-Time monitoring
- ✅ Deciphering
- ✅ Easy Throughput analysis
- ✅ Excellent receive gain by multi unit combination
- ✅ 4x4 MIMO, Carrier Aggregation

Advanced Threat Detection & Security for Defense Applications via RF Monitoring

Portable battery powered RF monitor system
The communication of the target device will be checked by monitoring all device IDs.

Key feature：

✅ **Compact, Lightweight, and Portable**
　　　　– Ideal for rapid deployment in the field.
✅ **Battery-Powered**
　　　　– Ensures flexible operation without reliance on fixed power sources.
✅ **Terminal ID Monitoring**
　　　　– Detects unauthorized devices entering restricted areas.

**The target device will be detected
in a specific area**

Seamless Integration

ABIT RF Monitor integrates with surveillance systems
like the ALifecom Analyzer, enhancing
security capabilities for more advanced monitoring.
While high-level encrypted communications
remain challenging to decrypt, the ABIT RF Monitor
significantly strengthens security measures.

ALifecom Analyzer

ABIT RF Monitor