MEERKAT
POCKET RECEIVER

COMPACT AND ERGONOMIC DESIGN
CONTROLLED BY ANDROID DEVICES
SPECTRUM MONITORING/FILTERING
ALTERNATIVE ANTENNA CONFIGURATIONS
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Technical Specifications
• Frequency Range: 20-6000 MHz
• Instantaneous IFBW: 80 MHz
• Receiver Dynamic Range: 135 dB
• Tuning Resolution: 1 Hz
• Input Sensitivity: -105dBm (10 dB SNR)
• DDR (Digital Drop Receiver) Channel: AM, FM, SSB, CW
• AM Sensitivity: -108 dBm (6 kHz BW, 10 dB SINAD, Fmod = 1kHz, m=0.5)
• FM Sensitivity: -106 dBm (16 kHz BW, 17 dB SINAD, Fmod= 1kHz, dev. 4.8 kHz)
• SSB Sensitivity: -110 dBm (3.2 kHz BW, 10 dB SINAD)
• CW Sensitivity: -125 dBm (CW 100 Hz BW, 10 dB SINAD)
• Weight: < 600gr (Without Battery and Phone)
• Dimensions: 80x35x140 cm (Without Battery and Phone)
• Drone Detection and Identification
• Power Consumption: 10 watts

General Features
• Controlled by Android Devices (Mobile Phone, Tablet)
• Graphical User Interface via Android Application
• Spectrum Monitoring/Filtering
• Spectrum FFT/Demodulated Sound Record and Replay
• Integrated GPS for Location, Time Stamp and Synchronization
• Collaborative Position Fixing via TDDA and RRS Algorithms
• Covert/Disguised Wearable Antenna Alternatives

Application Areas
• Early Warning Capability for Military Troops
• Swarm UAV Application
• Position Fixing in Critical Infrastructure/Meeting Rooms (Against Bugs/Covert Listening Devices)
• Covert/Disguised RF Situational Awareness in Urban Areas
• Spectrum Monitoring (Spectrum Scanning, Detecting Unlicensed/Interference Signals, Homming)

Specifications are subject to change without any notice. All tolerances are within ±10%.