

Kestrel TSCM® Professional Software

Signal Intelligence Support System (SISS)™

Introducing the KestrelPod II™ Ultra Wideband Surveillance Antenna for remote deployment, RF collection and geo-location heat mapping. The KestrelPod II™ includes a low profile Radome design that discretely blends in well for most (Near-Field) temporary, portable RF sweep deployment scenarios. The KestrelPod II™ antenna is an ideal collection sensor platform for RF based technical security applications such as real-time spectrum monitoring, signal localization, signal analysis, and short and long-term RF collection, as well as comparative RF analysis. Multiple Receiver Operation (MRO)™ is fully supported when utilized with the Kestrel TSCM® Professional Software. Portability and placement is simplified and the KestrelPod II™ is easily setup quickly on the floor or working desktop. The KestrelPod II™ Ultra Wideband Surveillance Antenna is terminated with a bulkhead SMA (F) connector and supports a variety of external band specific boost antenna elements. Optional (RF adapters and low loss cables are also available. The KestrelPod II™ is a low cost solution for tactical deployment in any type of business or corporate sweep environment. The KestrelPod II™ is a custom engineered ultra wideband (Near-Field) design, developed by our Technical Research and Standards Group (TRSG)™. When a number of KestrelPod II™ antennas are utilized in combination with the Kestrel TSCM™ Professional Software and our Multiple Receiver Operation (MRO) mode, the ability to collect and compare real-time RF spectrum and waterfall trace data is fully supported utilizing our Location Differential Signal Analysis (LDSA)™, and Receiver Differential Signal Analysis (RDSA)™ and our powerful geo-location heat mapping. The ability to capture remotely collected spectrum in real-time across multiple search receivers or spectrum analyzers is fully supported. ✎

"Introducing the KestrelPod II™ (UWB-SA) Near-Field Quick Deployment Portable TSCM Surveillance and Spectrum Monitoring Antenna..."

"Technical Surveillance Countermeasures (TSCM) has never been this easy..."



The KestrelPod II™ Ultra Wideband Surveillance Antenna is a custom engineered (Near-Field) low profile design, passive isotropic, Omni-Directional portable Radome antenna with a (5 dBi) gain.

Spectrum Range (100 kHz - 12 GHz)

LF
MF
HF
VHF
UHF
SHF

Spectrum Bands

ISM
DECT 6.0
DCS
DAB
LTE
AWS
GSM
PCS
CDMA
2G
3G
4G
LTE
WLAN



Our unique 698 MHz to 2700 MHz band boost concept enhances performance and hostile signal detection where you need it the most.

Key KestrelPod™ Features

Low Profile Radome
Rapid Field Deployment
Near-Field Design
Extended Frequency Range
Excellent Gain (5 dBi)



Key Features

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The KestrelPod II™ Ultra Wideband Surveillance Antenna is an exquisitely engineered, TSCM specific Radome near-field surveillance antenna with a small deployment foot print that meets exacting technical specifications for a wide range of (near-field) spectrum surveillance and continuous spectrum monitoring assignments from Low Frequency (LF) to Super High Frequency (SHF). The KestrelPod II™ significantly improves the Probability of Detection (POD) of potentially hostile signal events and is an excellent surveillance platform for extended ambient spectrum Baseline Logging (SBL)™ when utilized with the Kestrel TSCM® Professional Software | Signal Intelligence Support System (SISS)™ in a modern moving target threat model (TSB 2000 (Technical) Standard)™. ✎

"Innovation is Simply the Beginning..."

Specification Overview

Model: KestrelPod II™ Antenna
Application: Spectrum Surveillance and Monitoring
Near-Field Spectrum Range: 100 kHz – 12 GHz
Isotropic Gain: Nominal (5 dBi)
Type: (360 degree) Omni-Directional Pattern
Polarization: Vertical and Horizontal
Front / Back Ratio: Nominal (15 dB)
Impedance: 50 Ω
Connector: Bulkhead SMA (F)
Mechanical: 165 mm x 90 mm
Weight: 0.3 kg

Specifications are Subject to Change Without Notice...

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