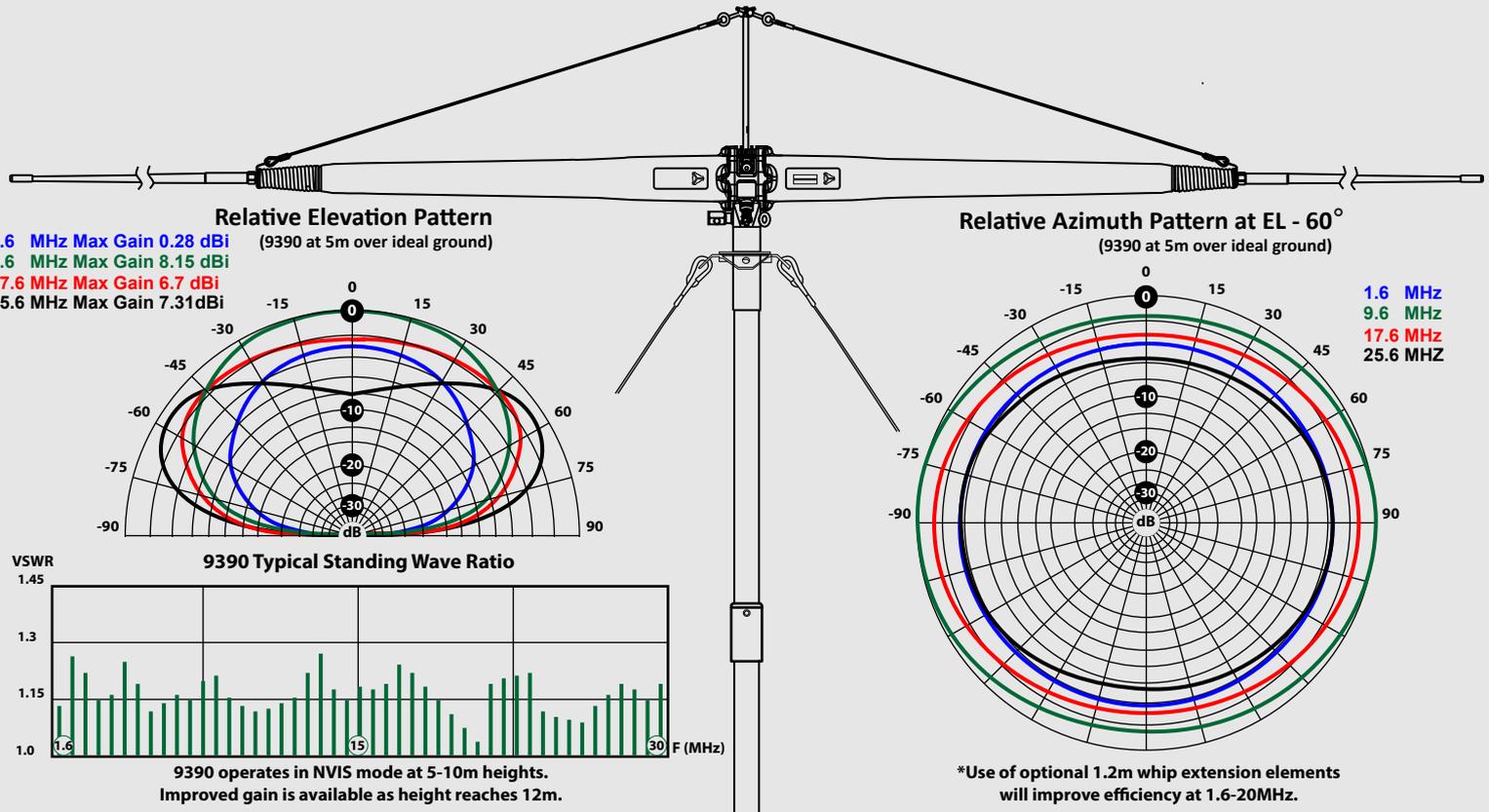


4620 (7000*) mm
181 (276*) Inch



APPLICATIONS

The Stealth 9390 Automatic Tuning HF Dipole is designed for temporary and fixed base station applications where rapid deployment or simplified installation in space restricted areas required without compromising quality of communication. Optimized for both short and long distance communications the ultra-compact 9390 HF antenna system is an irreplaceable instrument for:

Tactical Operations **Embassies & Consulates** **Camping & Expedition**
Emergency Response **Temporal Check Points** **Oil, Gas and Mining**

HIGH PERFORMANCE

Stealth 9390 is an automatic tuning HF dipole with continuous frequency coverage throughout the 1.6-30MHz HF band. The 9390 radiates with omnidirectional pattern in both vertical and horizontal configurations. When installed horizontally at 5 to 10 metre heights, 9390 exhibits excellent NVIS performance. Improved efficiency is available at heights above 12 metres using optional whip extenders. Built-in broadband receive amplifier and extremely low insertion loss RF-circuit ensure excellent receive and transmit performance. With ultra-fast tuning and 125W power handling capability, the 9390 is an ideal portable broadband HF field antenna for extensive data and voice communications in conventional and ALE network data modes.

SOFTWARE - AIDED INTERFACE

The 9390 is designed for flexible interfacing with HF transceivers. With the supplied CPS-9300 Antenna Configuration Software and USB cable, the 9390 dipole can easily be programmed to operate with any analogue and digital HF radios, including those not equipped with any specific tuner interface. Intelligent adaptive matching algorithm continuously monitors any significant variations of surrounding conditions and re-adjusts matching circuit to VSWR 1.3:1 or less. This ensures that HF-transceiver operates at full power at all time.

EASY INSTALLATION

The 9390 is supplied with quick-lock clamping system and 8 m cable set. With optional 1.7-5.0 m collapsible mast packed into optional canvas bag the antenna package is only 1.8 m long, making it extremely easy for air and ground transportation. 9390 dipole requires less than 10 minutes setup or take-down by a single person.

RUGGED DESIGN

Housed in a fully weather-proof and rugged enclosure the Stealth 9390 antenna is impervious to dust and water ingress. Engineered with use of latest generation of materials and technology, the 9390 dipole is tested for reliable operation in harshest environmental conditions.

GENERAL SPECIFICATIONS

Frequency Range	1.6 to 30MHz Transmit, 100KHz-54MHz Receive
Power Rating	125W CW/data, 200W PEP SSB (Voice)
VSWR	Typical $\leq 1.3:1$, 50 Ω
Tuning Speed	New CH 0.2 sec (min.) 1.8 sec (max) Memory CH: 0.35 sec average
Memory Channels	200 RAM, 200 EEPROM
Tune Power	External 3-30W PEP (3-200W in Smart Tune)
DC Operating Range	10-32V DC, 12V nominal from transceiver
Power Consumption	1.8 A tuning, 85-140mA static
Integral Scan Amplifier	Gain 3 dB, IP 3 ≥ 26 dBm
Connections	UHF socket /MIL-DTL5015 8-pin /Mini-USB
Interface Arrangement	3xTTL lines/ UART/RS-485
Protection	Reverse polarity, short circuit, lightning, over voltage
Operating Temperature Range	-40°C to +70°C
Environmental	Meets MIL-STD-810F 516.5, 514.5, 510.4, IP 68
Wind Rating at 5m AGL	40m/s = 140 Km/h = 87mph
EMC/EMI	Meets MIL-STD-461, IEC/EN 61000
Mounting	Quick-Lock Clamping System
Weight & Dimensions	8.5 kg, H100xW100xL4620mm with standard whips 8.6 kg, H100xW100xL7000mm with extension whips 7.2 kg, H100xW100xL1540mm Main Assembly only
Color	Military Green (TAN)

Note: Specifications may change without prior notice. Please verify updated specifications on order.

STANDARD PACKAGE

- 9300.B36.090 Antenna Main Assembly
- 9300.B35.005 FG1540B Fiberglass Whip (2 nos)
- 9300.M28.090 Quick-Lock Clamping Fixture
- 9300.B17.009 SEAC Control Cable, 20m
- 9300.B17.008 RF Coaxial Cable, 20m
- 9300.B17.005 Universal (default) Adaptor Cable 0.5m*
- 9300.C48.001 Installation Kit (Includes CPS9300 CD, USB Cable and Installation Guide)
- 9300.M28.016 CS110B Spring 2ps

OPTIONAL ACCESSORIES

- 9300.F35.090 SS1200D Whip Extension Element
- 9300.F37.010 7m Hurry-Up Mast
- 9300.A44.010 Canvas Carry Bag

*- Control Cable length options and appropriate transceiver Adaptor Cable must be specified when ordering. Wide range of optional installation accessories is available in separate catalogue.

AUTOTUNE DIPOLE ANTENNA
MODEL 9390

P/N

S/N

www.stealth-tele.com

VARIOUS PATENTS PENDING
9300.P39.019

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