

# Adaptive Handheld VHF/UHF Antenna

## TA30512H

The TA30512H is an active wideband handheld antenna for the 30 to 520 MHz frequency band. This low-profile antenna can be tuned via RF connector to use the optimum matching circuitry at the required frequency. It thus provides superior gain performance over traditionally matched wideband antennas. Its extremely fast tuning ability and high power rating makes the antenna suitable for most of the modern SDRs.

- Low profile antenna with superior gain performance
- Fast tuning with high power rating supports modern waveforms
- Supports also very wide transmission bandwidths
- Control integrated to the TNC-type connector



Product details*	
Frequency range	30 - 520 MHz
Matching	Active matching
Polarization	Nominally vertical
Antenna type	Flexible whip monopole (ground plane required)
Radiation pattern	Omnidirectional
Gain	Up to 10 dB better than similar passive antenna*
VSWR	≤ 3.5 (on tuned band)*
Nominal Impedance	50 Ω
Power rating	5 W
Supply voltage & current	3.3 VDC (max 3.6V) 0.5 mA (maximum <2.5 mA during antenna control)
Tuning speed	<50 μs (including control, ACK and switching)*
Standard color	Black
Radiator	Flexible whip
Height	420 mm
Weight	130 g
Maximum diameter	26 mm (antenna base)

Installation	
RF connection	Male TNC-type connector
Control	Digital control voltage via TNC-type connector*

\* More details on request

Order number	
TA30512H	Antenna as described above