Flat GPS/Triband Combination Antenna

Features

- ✓ 27dB GPS Antenna
- ✓ Operates at 824-960MHz and 1850-1990MHz
- ✓ Compact size 5.6″ x 2.1″ x 0.6″ (LWH)
- ✓ 3V-5V GPS operating voltage range

The FLMTA triband antenna combines GPS and cellular/PCS into a sleek package suitable for your covert vehicle/asset tracking requirements.

A 27dB GPS amplifier with wide operating voltage range of 3V to 5V, allows the FLMTA to function with a variety of GPS receivers.

Two separate RG174 cables used for GPS and cellular/PCS. RG316 cables are available as well as a wide variety of connectors, including Hirose and FAKRA connectors.

Cable lengths and connector configurations customized to meet your requirements.

Compare its performance against other similar antennas and you will see that the FLMTA is your choice.

GPS Antenna:	
Frequency	1575.42 ± 3 MHz
VSWR	1.5 max.
Bandwidth	20 MHz min. at -10 dB
Axial Ratio	3dB typical
Impedance	50Ω
Peak Gain	4 dBic min. (7cm x 7cm ground plane)
Gain Coverage	≥ -4dBic at -90°≤ θ ≤ 90° (over 75% volume)
Power Handling	1 Watt
Polarization	RHCP
Amplifier Gain	27 dB typical
Noise Figure	1.5 dB typical
Output VSWR	2.0 max.
DC Voltage	3.0 V to 5.5V
DC Current	22±3 mA
Cellular/PCS Antenna	
Frequency	824-960MHz, 1850-1990MHz,
Peak Gain	4dBi
VSWR	2.0 : 1
Impedance	50Ω
Pattern Type	Omni-directional
Power Handling	25 Watts max.
Mechanical:	
Weight (Without Cable)	2.11 oz. (0.06 kgs) max.
Size (LWH)	5.6″ x 2.1″ x 0.6″ (143mm x 54.4mm x 16mm)
Cable Type & Length (Standard)	GPS: 9.8′ (3m) RG174 800/900/1900: 9.8′ (3m) RG174
Connector (Standard, Others available)	GPS: SMA plug 800/900/1900: SMA plug
Mounting	Velco or double-sided tape
Environmental:	
Working Temperature	-40°F < T< +185°F (-40°C < T< +85°C)
Storage Temperature	-50°F < T< +203°F (-50°C < T< +95°C)
Vibration	Sine Sweep,1G(0-P),10-150-10Hz each axis
Weatherproof	Waterproof

Note: Specifications subject to change without notice.

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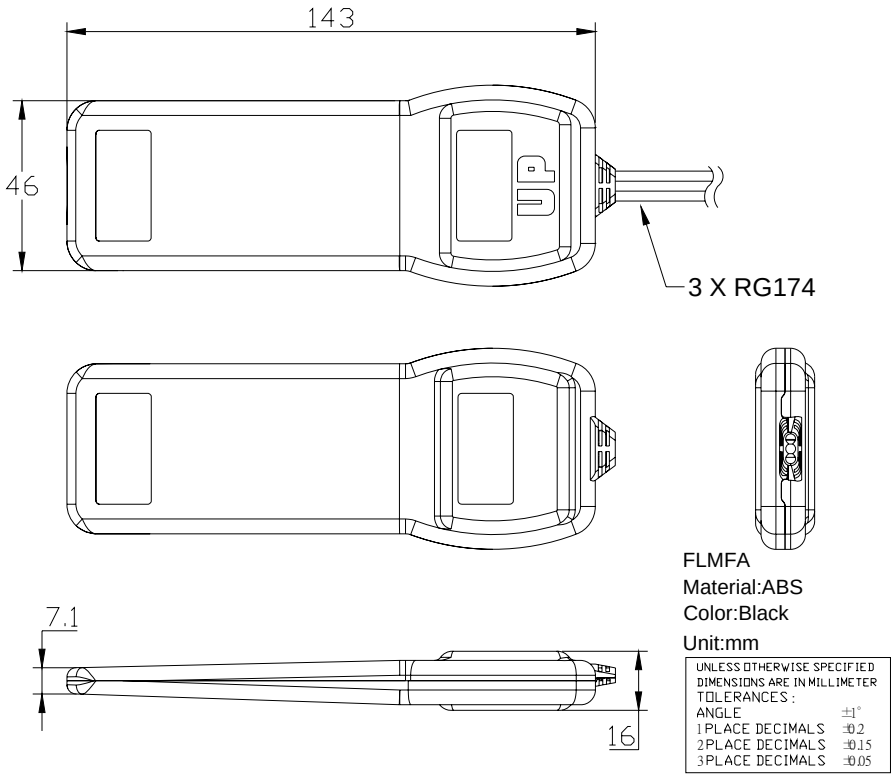
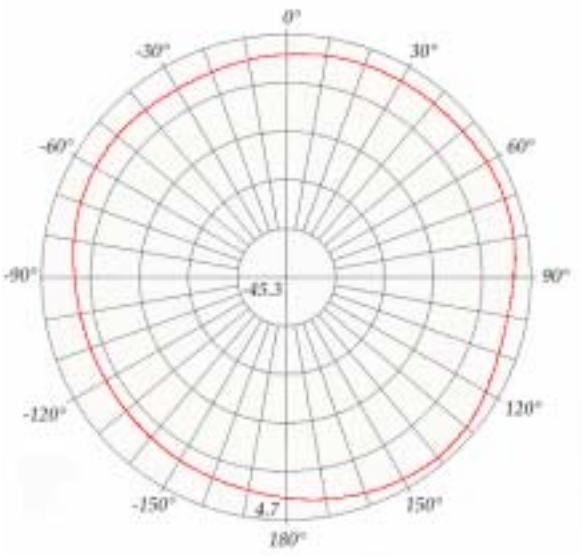
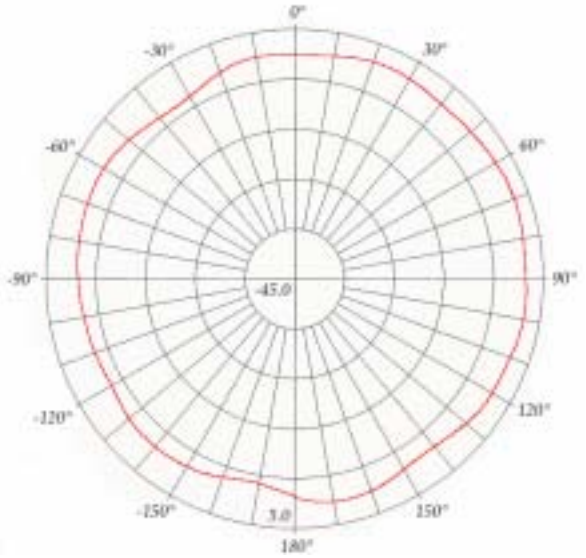
MECHANICAL DRAWING



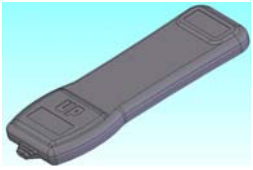
Cellular Antenna Gain Pattern for 860MHz and 1950MHz bands

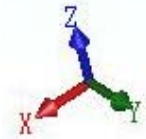


Frequency: 860MHz
Max. gain: 4dBi



Frequency: 1950MHz
Max. gain: 3dBi





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