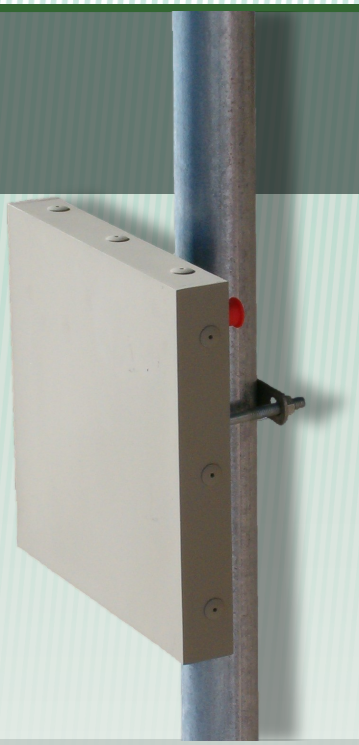
FS-1050
Flat Panel GPS Antenna



The FS-1050 is a wide band transmit and receive flat-panel antenna contained within a rugged and epoxy-sealed fiberglass radome. The result is an exact threat representative antenna contained in a robust package.

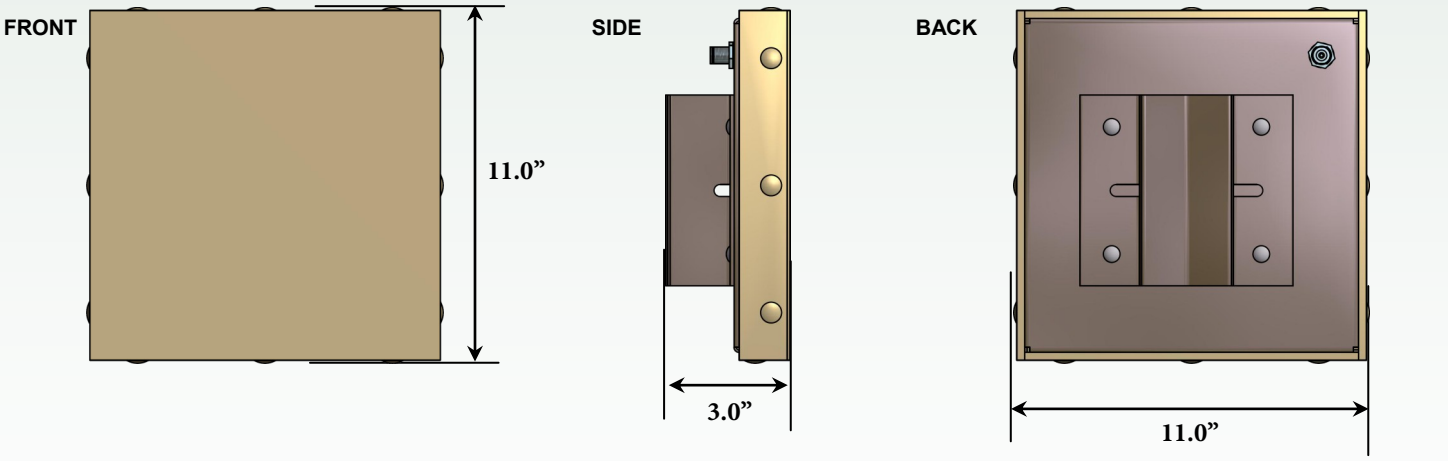
Customization options are available for the antenna's mating, mount, power and color characteristics. Standard configuration FS-1050 are 25-watt units with a U-bolt mount and N-type RF connector.

The unit is also available with an internal modulator source and power amplifier for operation as a stand-alone jamming system.

FEATURES

- LHCP and RHCP models available
- GPS threat representative
- Weatherproof enclosure
- -20° to +150° F operating temperature
- Optional connectors (SMA, TNC, etc.)
- High power model available (FS-1050-HP)

SPECIFICATIONS



Frequency Range	1.2 to 1.6 GHz
Gain	7 dBiC
Polarization	RHCP or LHCP
HPBW	65° x 65° @ f_0
Maximum Power	25 W, CW
Maximum VSWR	2.0:1 (1.5:1 typical)

Length	3”
Width	11”
Height	11”
Weight	5.25 lbs (2.83 kg)
Environment	-20° to +150°F / -28° to +65.5°C
Connector	Type-N

FLAT PANEL | DIRECTIONAL | 1.2 to 1.6 GHz | CIRCULAR

TMC Design Corporation

FS-1050
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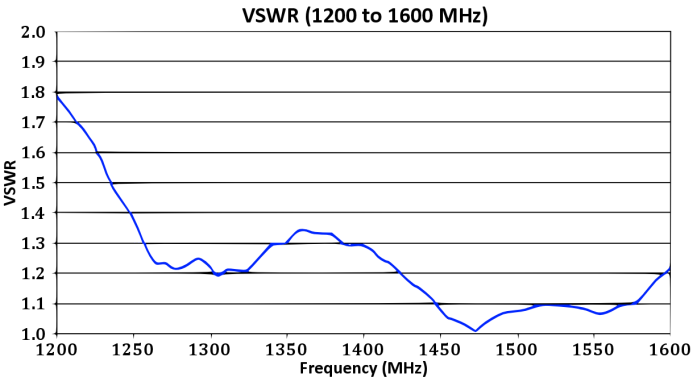
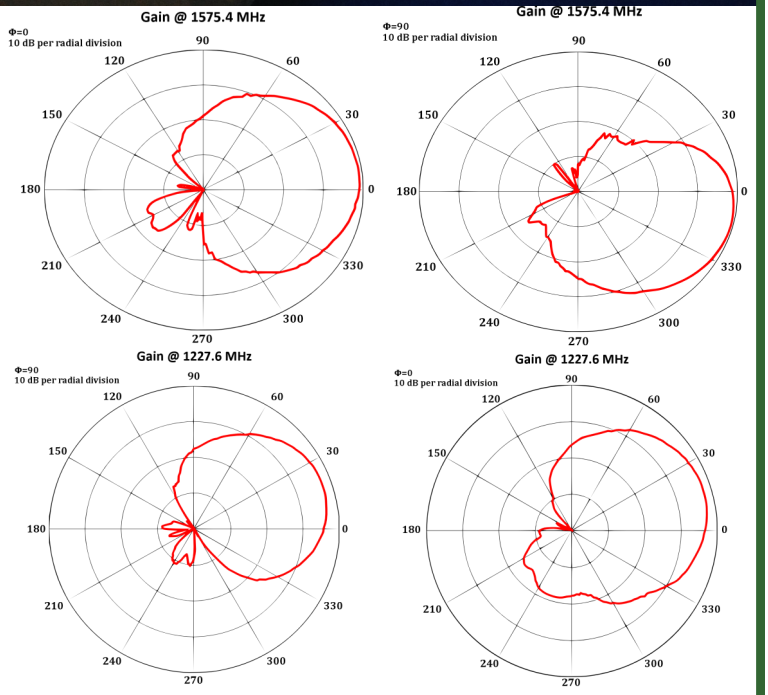
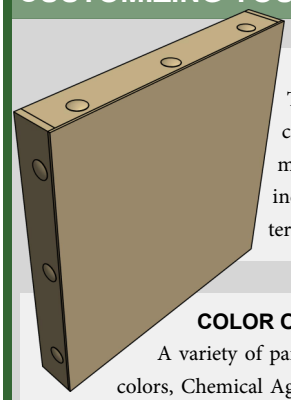
PERFORMANCE





CUSTOMIZING YOUR FS-1050-RHCP ANTENNA



MOUNTING OPTIONS

The standard FS-1050 antenna comes in a pole-mount configuration. If a pole mount configuration will not suit your application, the FS-1050 can be modified to mount magnetically or any other manner that will best fit your requirements. Other options include tripod, antenna towers, and solar-powered mount systems for remote and long-term operation.

COLOR OPTIONS

A variety of paint options are available to fulfill your coating requirements. Federal Standard 595B colors, Chemical Agent Resistant Coating (CARC) or spot color schemes are available. Contact a TMC Design representative to specify coating options (*most popular colors shown above*).

RF MATING OPTIONS

All TMC Design antennas can be modified to include an RF connector that best fits your application. Be sure to specify the connector that is needed or ask one of our representatives for assistance in finding an RF mating solution that will best fit your requirements. Note that changes in the RF mating configuration may affect power handling capabilities of the FS-1050.

HIGH-POWER OPTIONS

To increase range and improve reception, most TMC Design antennas can be modified operate in high-power applications.

TMC Design Corporation
"Reasonable and timely solutions"

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