

761-800-2200 is an Outdoor antenna that allows facilities to support cellular services in combination with the GPS and Wi-Fi/ISM services. This is a single Antenna solution for the 3 separate requirements. There is no performance trade off in using a single combination antenna due to the unique design that provides excellent isolation between the 3 antennas in one housing. This eliminates the need for multiple antennas, cables and mounts. The cellular antenna is Omni-Directional and supports all the networks such as GSM, CDMA, HSPA, UMTS and WCDMA. The Wi-Fi and ISM antennas have excellent efficiency. The GPS Antenna can be used for various location based services such as M2M, Remote monitoring, Timing for base stations and Vehicle fleet tracking. Body of the antenna is made of weather resistant ABS to withstand stringent series of environmental tests including Salt Spray, UV Radiations, Shock and Vibration and meet IP67 specifications. These can be mounted on any surface with the screw mount and be delivered with customer specific connectors and cable assembly.

FEATURES:
Cellular Antenna

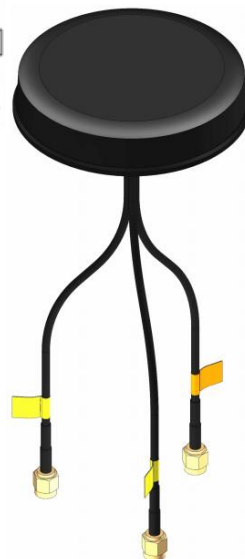
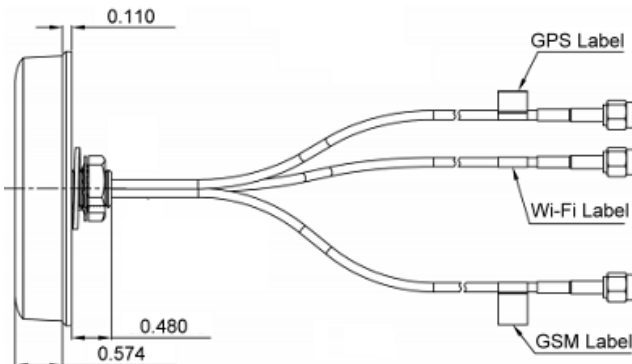
- Omni-Directional, Linear Polarized
- Supports GSM, CDMA, HSPA, UMTS, WCDMA
- Gain of 2.00 dBi with excellent matching, VSWR of < 2.00

GPS

- Two Stage 30 dB Gain
- Low Profile, discrete design
- Front end Saw Filter
- Applications include M2M, Remote monitoring, Timing for base stations and Vehicle fleet tracking.

Wi-Fi Antenna

- Omni-Directional, Linear Polarized
- Supports Wi-Fi and ISM
- Gain of 2.00 dBi with excellent matching, VSWR of < 2.00


MECHANICAL SPECIFICATIONS:

Radome Material:	Weather Resistant ABS
Mounting Method:	Screws & Washers / 3M Adhesive
Operating Temp:	-40°C to 85°C
Environmental:	IP67, UL 94V-0
Humidity:	Non condensing 65°C 95% RH
Vibration:	10 – 55 Hz with 1.5mm Amplitude
RoHS Complaint:	Yes

ELECTRICAL SPECIFICATIONS:
Cellular - Antenna

Frequency Range:	824 – 960 MHz 1710 – 2170 MHz
Polarization:	Linear
Power Handling (Max):	10 Watts
VSWR:	< 2.00
Gain:	2 dBi
Efficiency:	60% - 75%

Wi-Fi - Antenna

Frequency Range:	2400 – 2500 MHz
Polarization:	Linear
Power Handling (Max):	10 Watts
VSWR:	< 2.00
Gain:	2 dBi
Efficiency:	60% - 75%

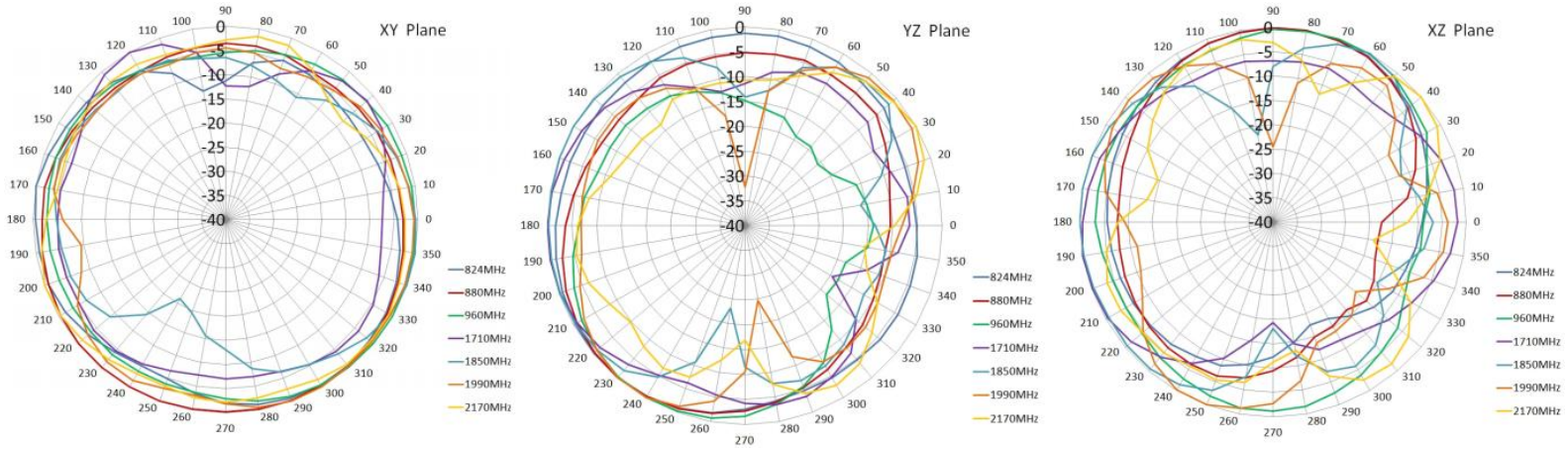
GPS - Antenna

Center Frequency:	1575.42±1MHz
Band Width:	C _f ±5MHz
Polarization:	RHCP
Gain:	3 dBi (Zenith)
V.S.W.R:	<1.50
Axial Ratio:	3 dB (Max)

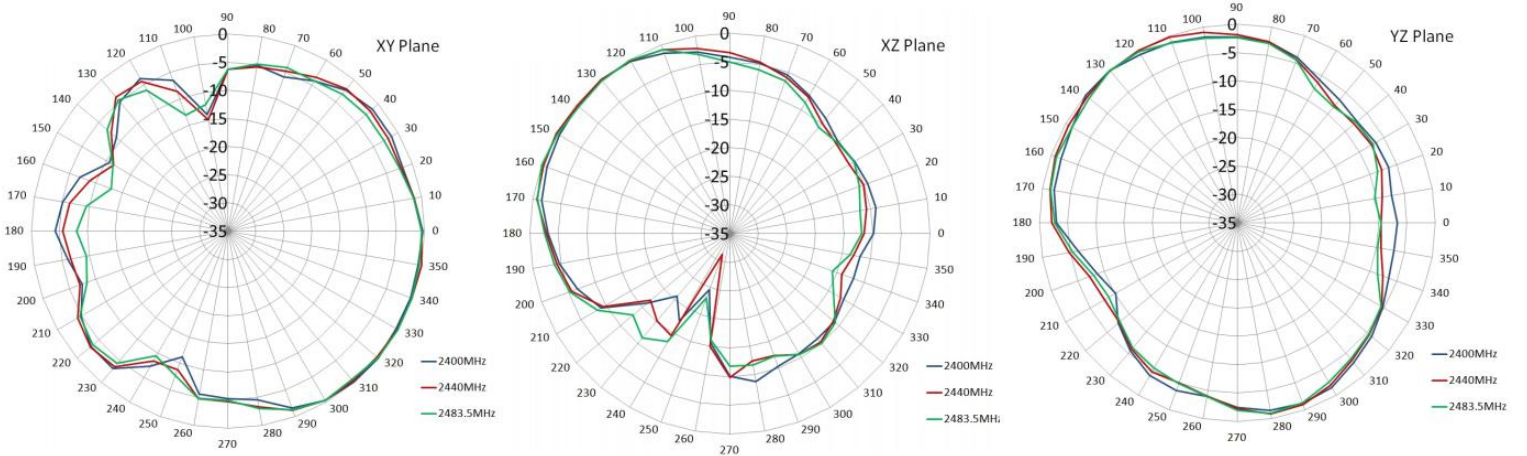
GPS - LNA

LNA Gain:	30 dB
Noise Figure:	< 1.5 dB
Filter Insertion Loss:	<3 dB
Ex-band Attenuation:	20 dB@ C _f ±50MHz
Supply Voltage:	1.8 ~ 5.5 VDC
V.S.W.R:	<2.00
Connectors:	SMA, TNC, Type-N
Cable:	RG174, RG58

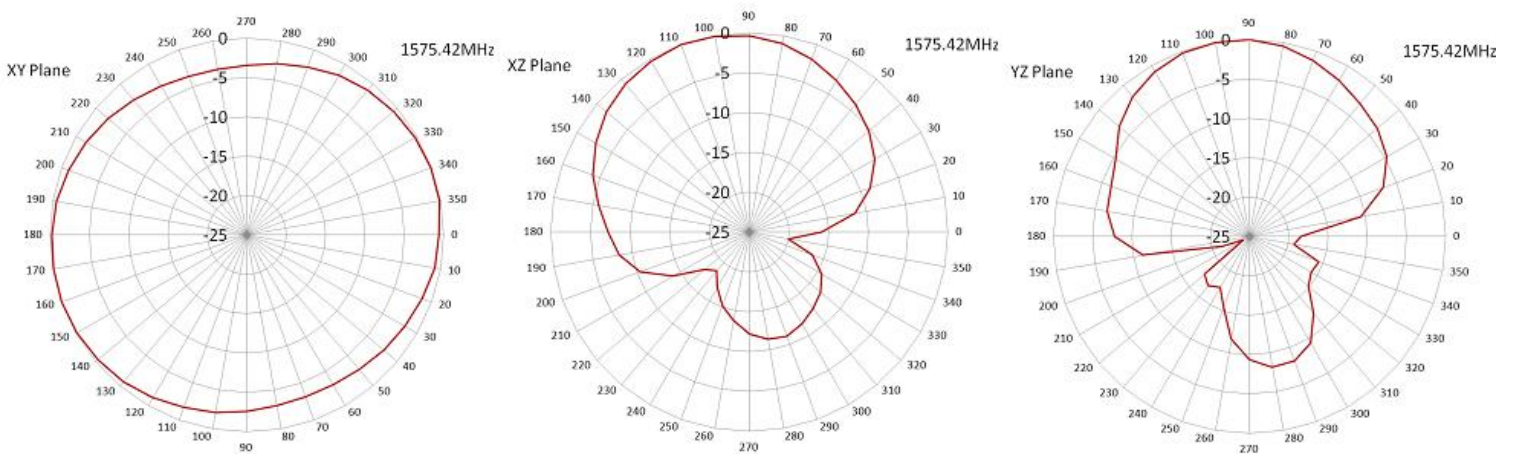
Cellular Antenna



Wi-Fi Antenna



GPS Antenna



Please contact our sales department at 914-230-4060 or sales@innowaverf.com for any custom requirements.

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