

763-700-2700 is an Outdoor antenna that allows facilities to support cellular services in combination with the GPS and Wi-Fi/WiMAX/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 LTE, GSM, CDMA, HSPA, UMTS and WCDMA. The Wi-Fi, WiMAX and ISM antennas has 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 (SMA Standard) and cable assembly.

FEATURES:
Cellular Antenna

- Omni-Directional, Linear Polarized
- Supports LTE, GSM, CDMA, HSPA, UMTS, WCDMA
- Gain of 3.00 dBi with excellent matching, VSWR of < 2.00
- Durable ABS Body, Outdoor weather and UV resistant

GPS

- Two Stage 30 dB Gain
- Low Profile, discrete design
- Front end Saw Filter
- Durable ABS Body, Outdoor weather and UV resistant.
- 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
- High Gain of 3 dBi with excellent matching, VSWR < 2.00
- Excellent Isolation of 20 dB between Antennas

MECHANICAL SPECIFICATIONS:

Radome Material:	Weather Resistant ABS
Mounting Method:	Screws & Washers
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 Compliant:	Yes


ELECTRICAL SPECIFICATIONS:
Cellular - Antenna

Frequency Range:	698 – 960 MHz 1710 – 2700 MHz
Polarization:	Linear
Impedance:	50 Ohms
Power Handling (Max):	50 Watts
VSWR:	< 2.00
Gain:	3 dBi
Cable:	RG174, RG58
Efficiency:	60% - 75%

WiFi - Antenna

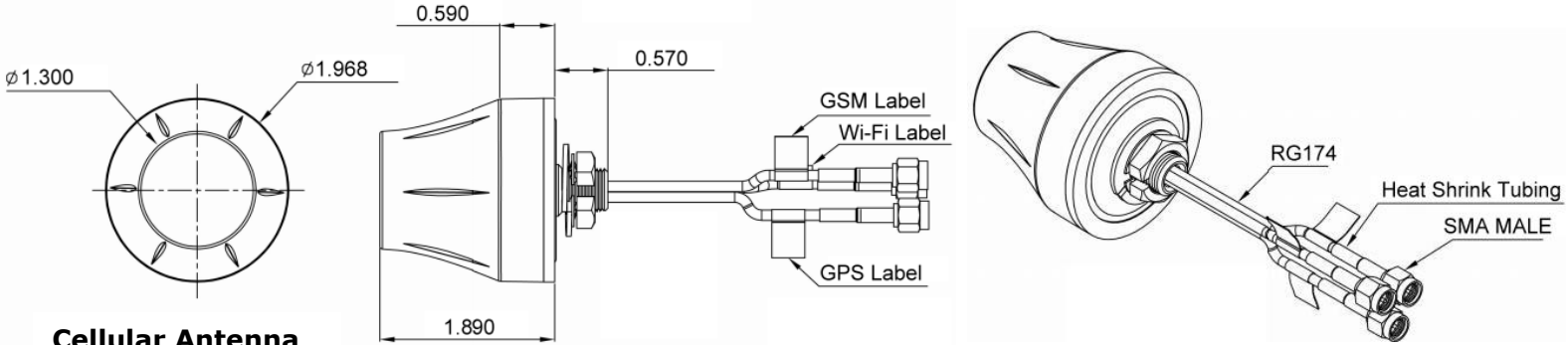
Frequency Range:	2400-2500 MHz
Polarization:	Linear
Impedance:	50 Ohms
Power Handling (Max):	50 Watts
VSWR:	< 2.00
Gain:	3 dBi
Cable:	RG174, RG58
Efficiency:	60% - 75%

GPS - Antenna

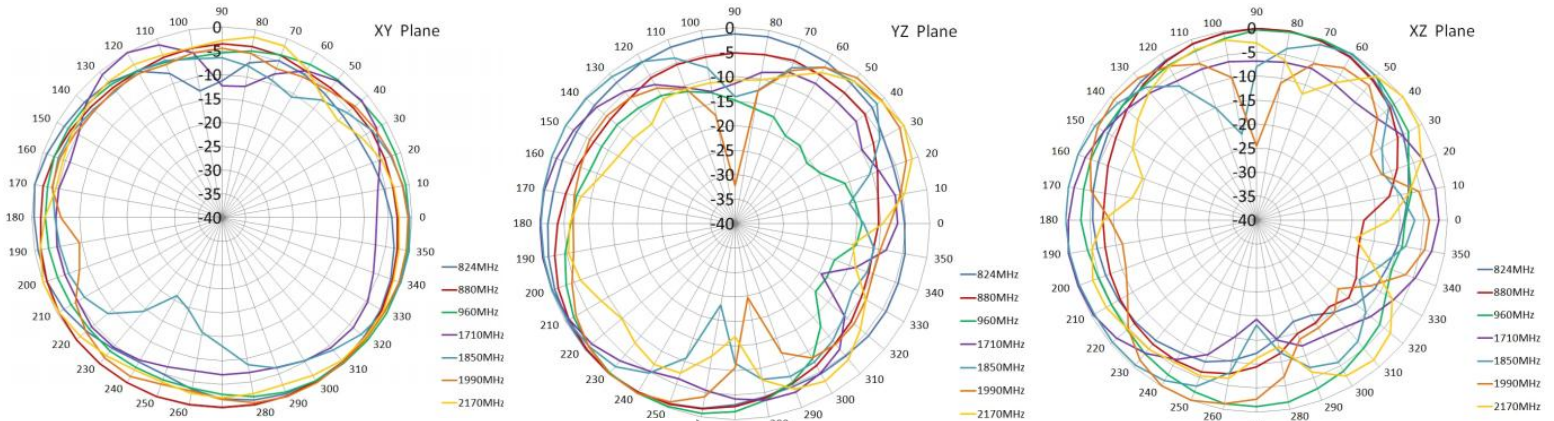
Center Frequency:	1575.42±1MHz
Band Width:	C _f ±5MHz
Polarization:	RHCP
Gain:	3 dBi (Zenith)
V.S.W.R:	< 1.50
Impedance:	50Ω

GPS - LNA

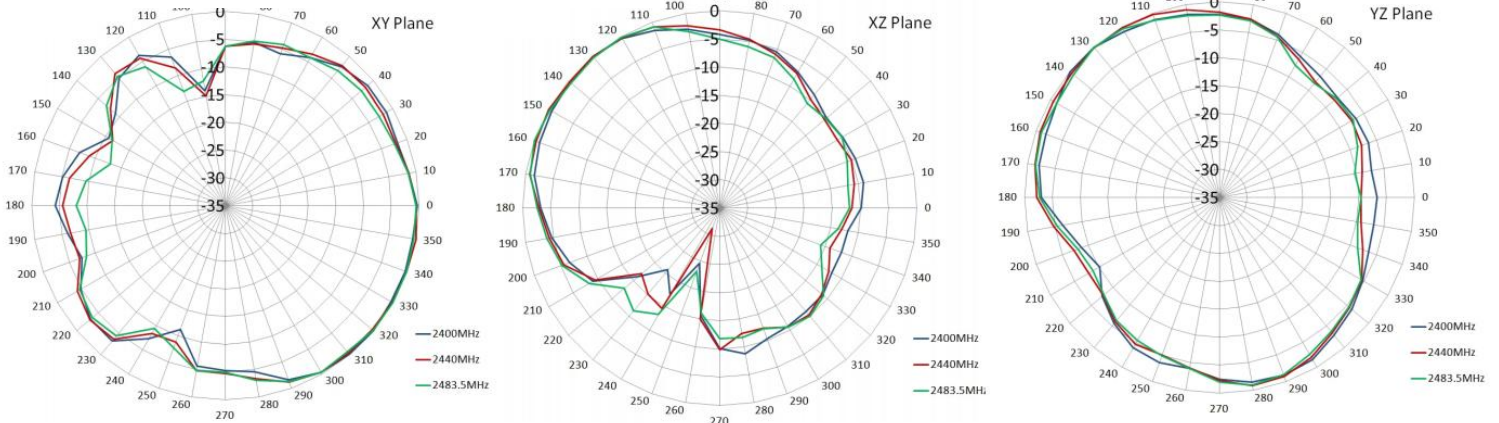
LNA Gain:	30 dB
Noise Figure:	< 1.5 dB
Filter Insertion Loss:	< 3 dB
V.S.W.R:	< 2.00



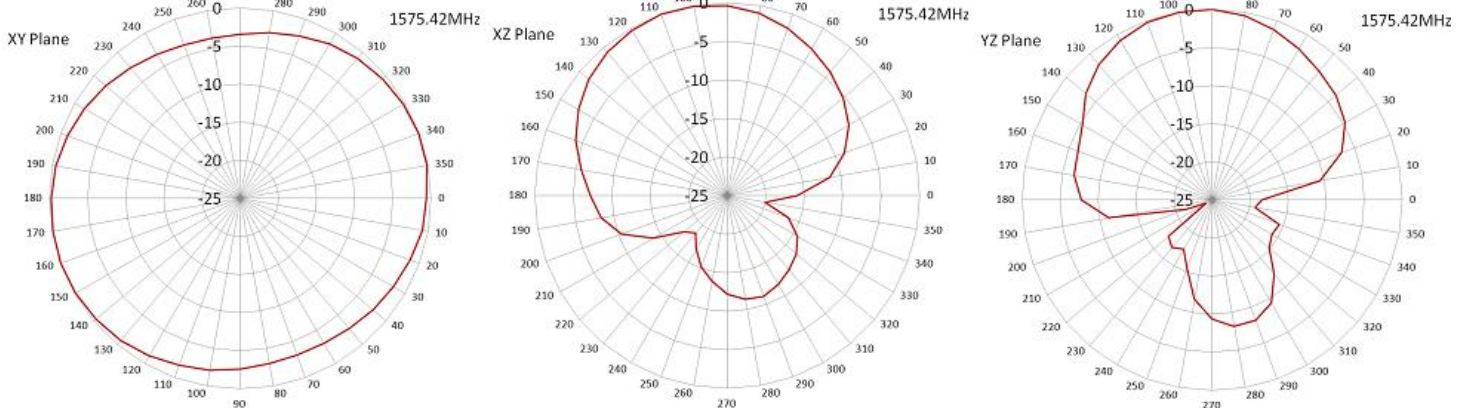
Cellular Antenna



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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