

Features
<ul style="list-style-type: none"> <li>• GPS, GSM &amp; WIFI</li> <li>• Outdoor Antenna</li> <li>• 50 Ohm Impedance</li> <li>• Stable And Reliable Performance</li> <li>• 1575.42MHz, 824-960MHz, 1710-2170MHz &amp; 2400-2483.5MHz</li> </ul>

Applications
<ul style="list-style-type: none"> <li>• Vehicle Tracking</li> <li>• Asset Tracking</li> <li>• GPS Navigation</li> <li>• Machine To Machine Communication</li> </ul>



**Part Numbering Guide**



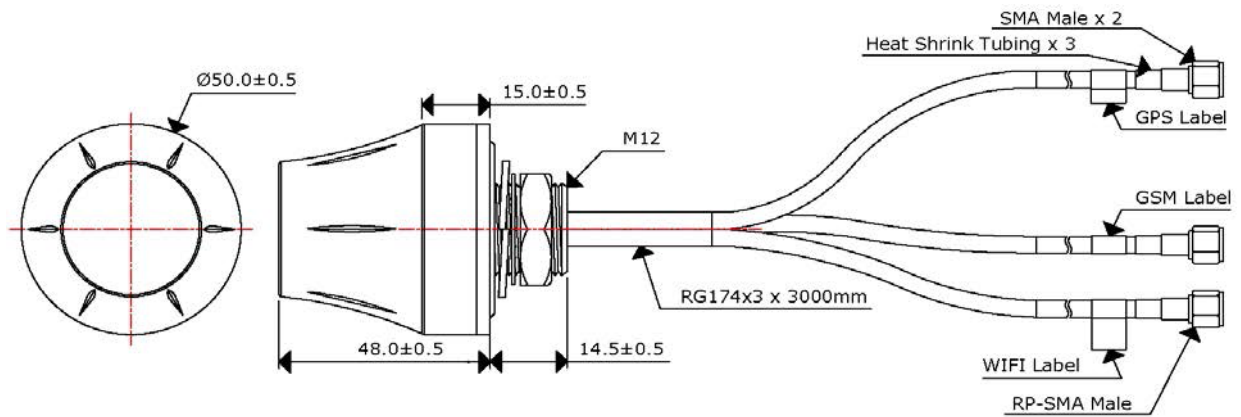
Electrical Parameters (GPS)	Units	Minimum	Typical	Maximum	Remarks
Frequency Band	MHz		1575.42		±3MHz
Impedance	Ω		50		
Polarization			RHCP		
Peak Gain	dBi		2		For Dielectric Antenna
VSWR				1.5	For Dielectric Antenna
Peak Gain	dBi		28		For LNA Antenna
VSWR				2	For LNA Antenna
Operating Temperature	C	-40		85	

Electrical Parameters (GSM)	Units	Minimum	Typical	Maximum	Remarks
Frequency Band	MHz	824		960	
Impedance	Ω		50		
Polarization			Linear		
Peak Gain	dBi		2		At Center Frequency
VSWR				2	At Center Frequency
Operating Temperature	C	-40		85	
Frequency Band	MHz	1710		2170	
Impedance	Ω		50		
Polarization			Linear		
Peak Gain	dBi		2		At Center Frequency
VSWR				2	At Center Frequency
Operating Temperature	C	-40		85	

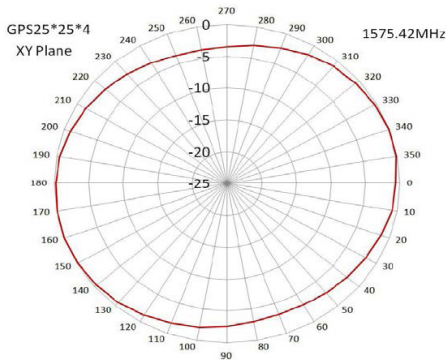
Electrical Parameters (WiFi)	Units	Minimum	Typical	Maximum	Remarks
Frequency Band	MHz	2400		2483.5	
Impedance	$\Omega$		50		
Polarization			Linear		
Peak Gain	dBi		3		At Center Frequency
VSWR				2	At Center Frequency
Operating Temperature	C	-40		85	

### Outline Drawing

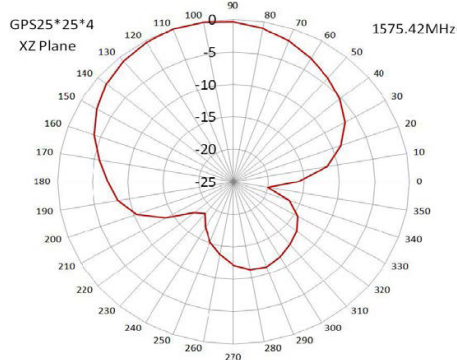
All dimensions are in millimeters (mm) unless otherwise noted. Drawings are not to scale.



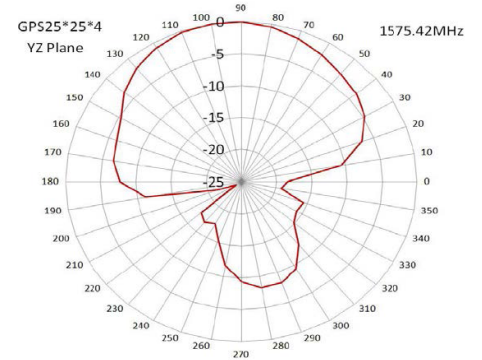
**Radiation Pattern (GPS XY)**



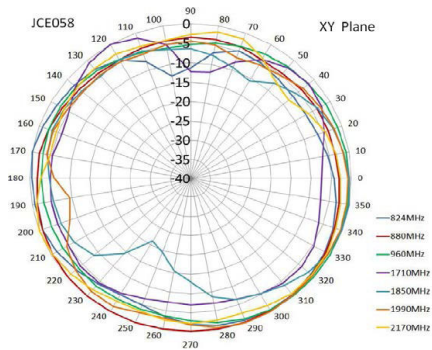
**Radiation Pattern (GPS XZ)**



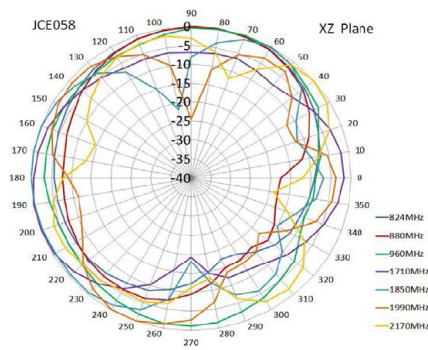
**Radiation Pattern (GPS YZ)**



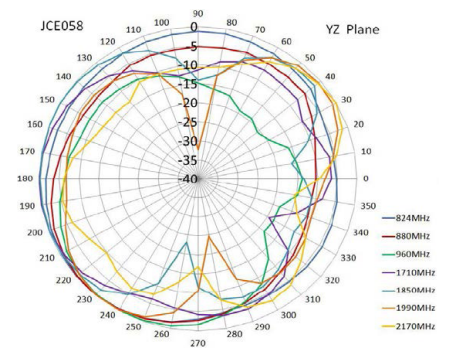
Radiation Pattern (GSM XY)



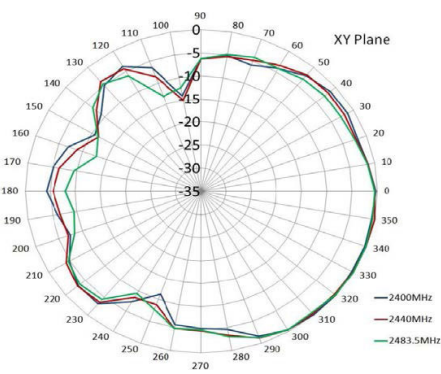
Radiation Pattern (GSM XZ)



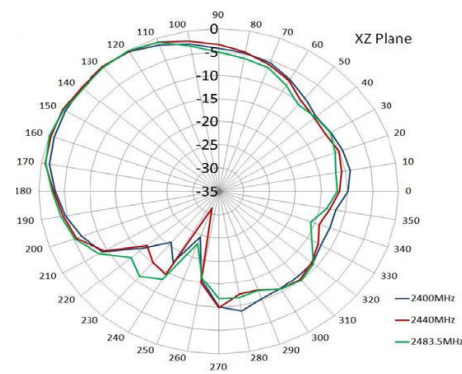
Radiation Pattern (GSM YZ)



Radiation Pattern (WiFi XY)



Radiation Pattern (WiFi XZ)



Radiation Pattern (WiFi YZ)

