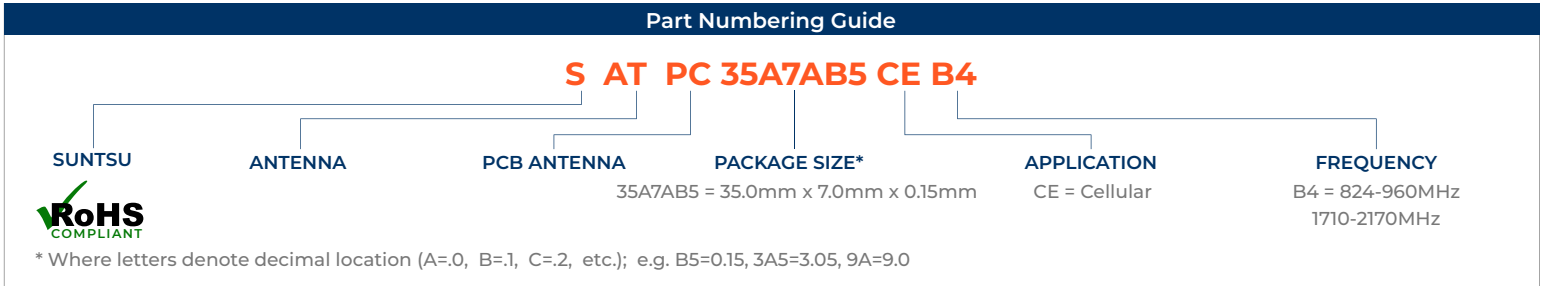
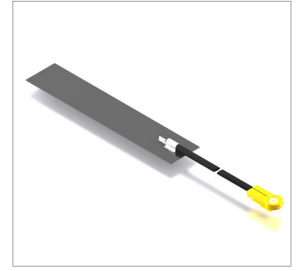


Features
<ul style="list-style-type: none"> <li>• 3G/GSM</li> <li>• FPCB Type</li> <li>• Stable And Reliable Performance</li> <li>• 824-960MHz &amp; 1710-2170Mhz</li> <li>• Compact Size With Efficient Reception</li> </ul>

Applications
<ul style="list-style-type: none"> <li>• GSM/3G Position Routers &amp; Tracking Systems</li> <li>• Automotive Sensors</li> <li>• Smart Home Devices</li> <li>• Machine To Machine Wireless Communication</li> <li>• Mobile Systems</li> </ul>



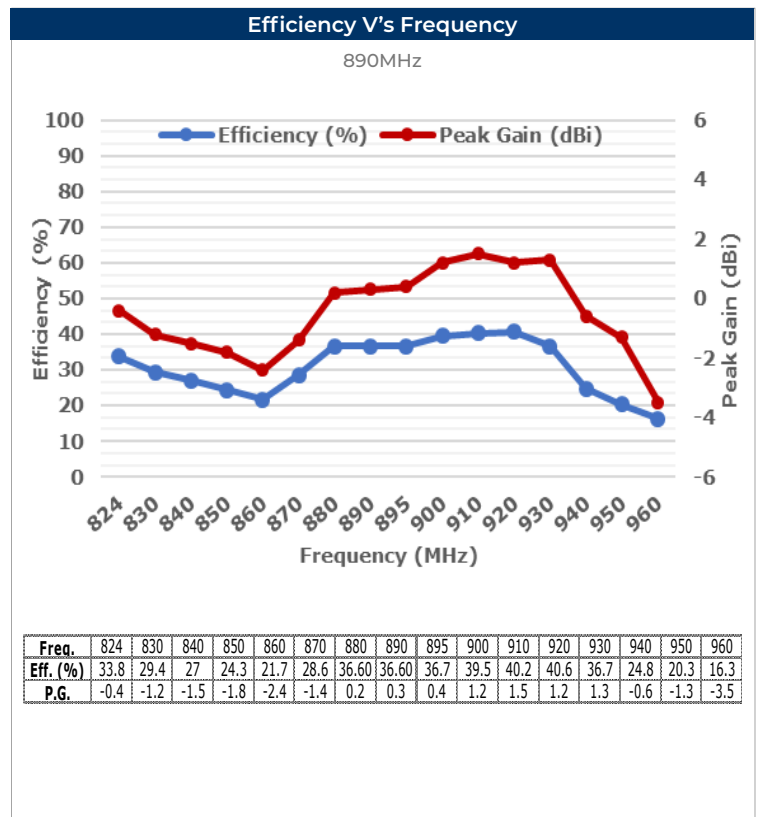
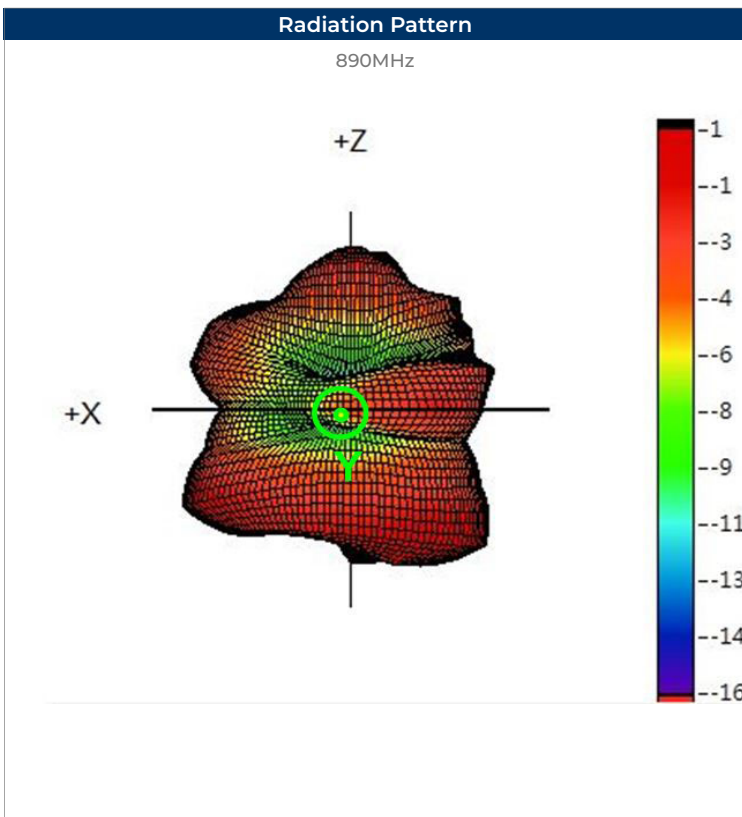
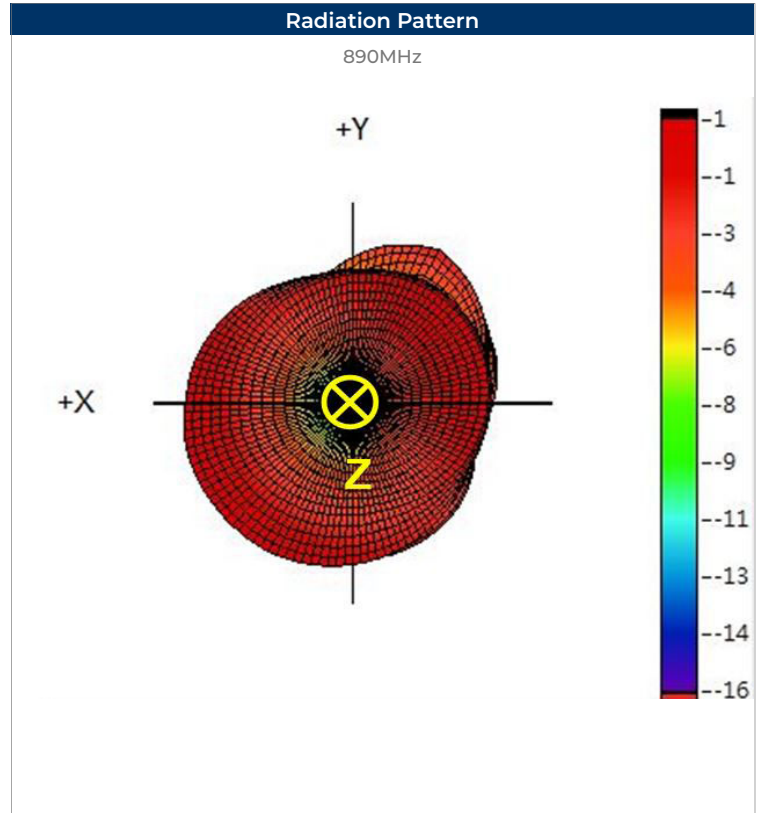
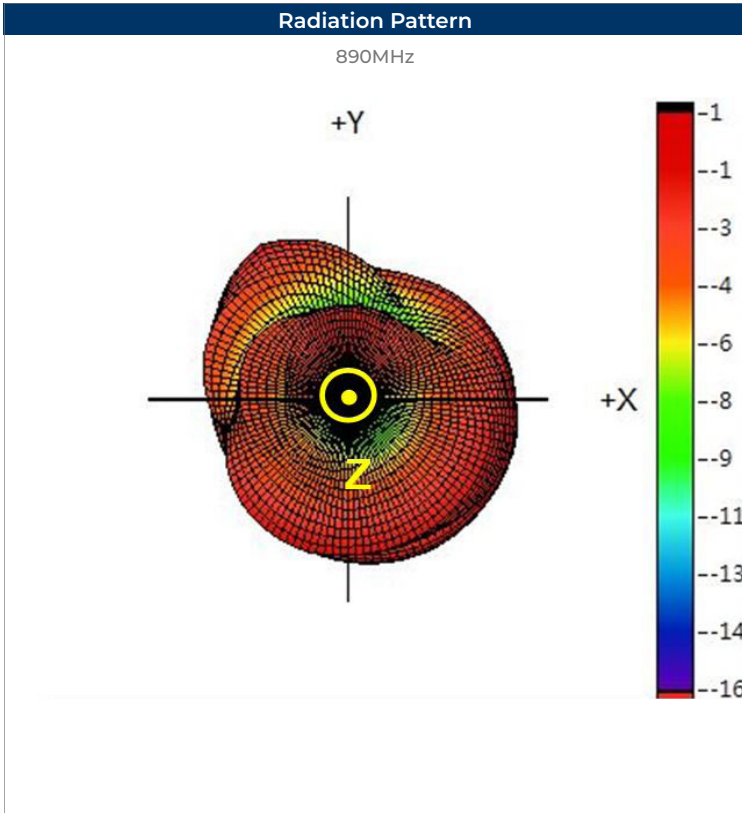
Electrical Parameters	Units	Minimum	Typical	Maximum	Remarks
Frequency Band	MHz	824		960	
Impedance	$\Omega$		50		
Polarization			Linear		
Peak Gain	dBi		0.3		At 890MHz
Efficiency	%		36		At 890MHz
Operating Temperature	C	-40		85	

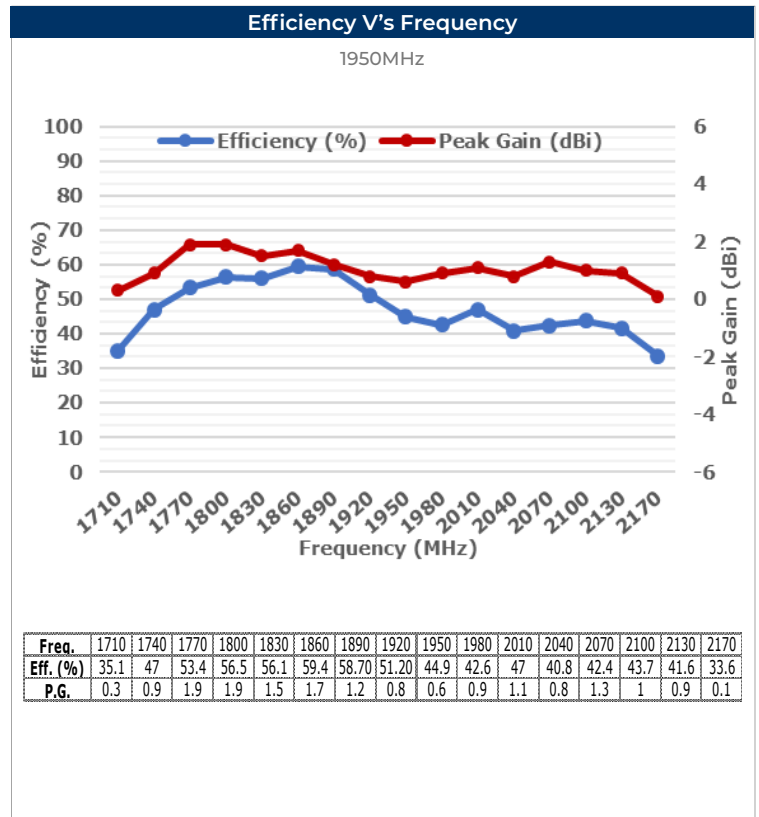
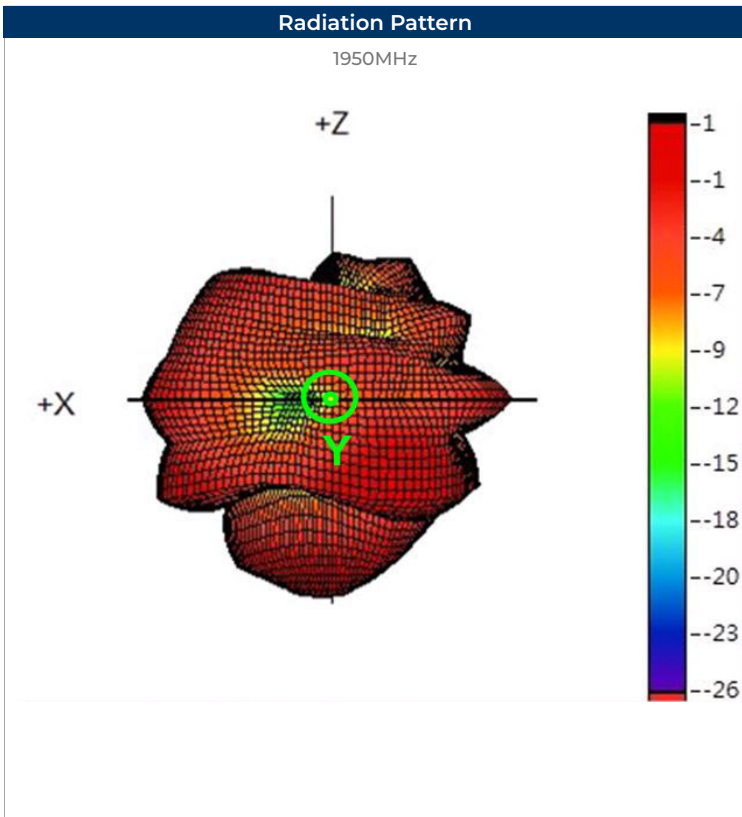
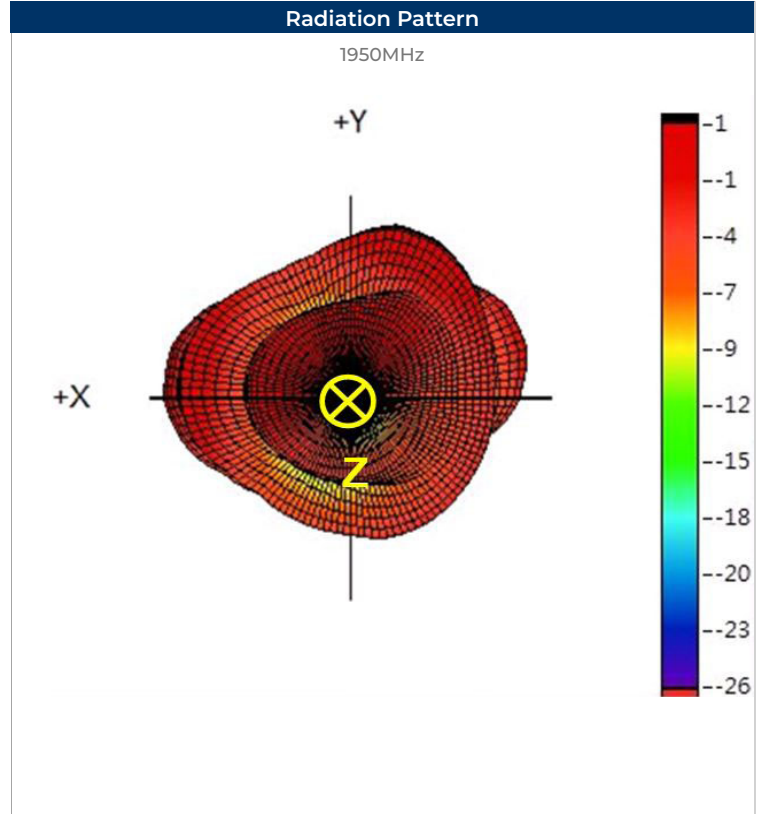
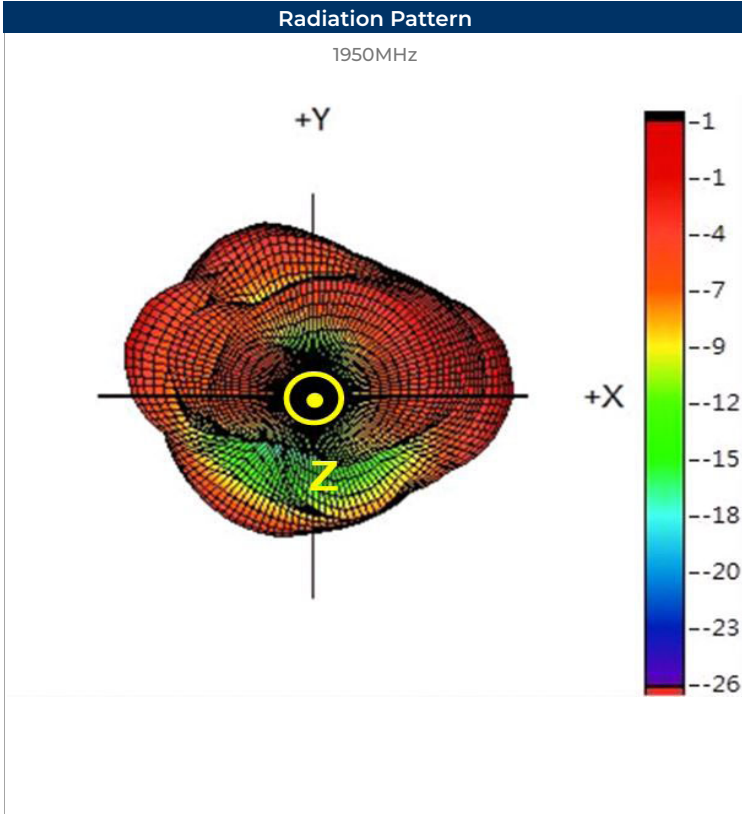
Electrical Parameters	Units	Minimum	Typical	Maximum	Remarks
Frequency Band	MHz	1710		2170	
Impedance	$\Omega$		50		
Polarization			Linear		
Peak Gain	dBi		0.6		At 1950MHz
Efficiency	%		45		At 1950MHz
Operating Temperature	C	-40		85	

**Outline Drawing**

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

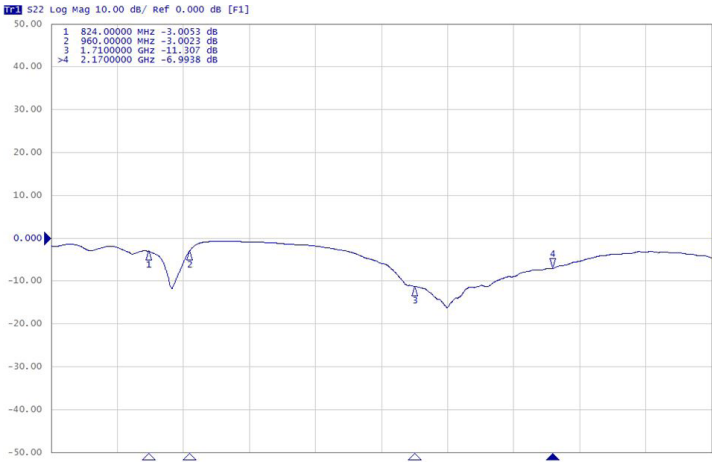
Item	Material
1	FPCB
2	IPEX Connector and Cable with OD of 1.13
3	Adhesive Tape





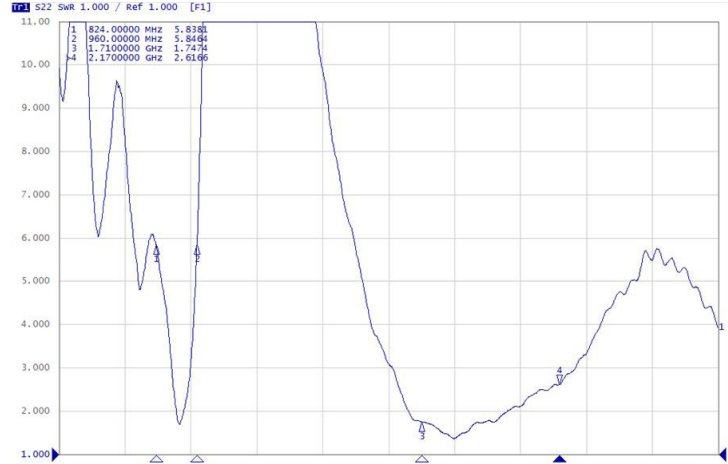
**Electrical Test**

Return Loss



**Electrical Test**

VSWR



**Environmental & Mechanical Specifications**

High Temperature Test	85°C for 240 hours, and then to normal temperature/humidity High Temperature Test for 24hours.
Low Temperature Test	-30°C for 240 hours, and then to normal temperature/humidity for 24hours.
Humidity Test	85°C / 90-95%RH for 48 hours, and then to normal temperature/humidity for 24hours.
Thermal Shock Test	-30°C for 30 min and +85°C for 30 min. 5 cycles, then expose to normal temperature/humidity for 24 hours or more.
Vibration Test	5 to 200 to 5Hz, swept in 10min, 4.5G at max(2mm amplitude), in X and Y directions for 2 hours each and in Z direction for 4 hours.