Chip Antenna SATCA-3C1GF-GPB6 3.2mm x 1.6mm x 0.5mm

Features

- GPS & WiFi (2.4 & 5GHz)
- Chip Type
- Stable And Reliable Performance
- 1575.42MHz, 2400-2500MHz & 5150-5850MHz
- SMT Process Compatible

Applications

- GPS Devices
- WiFi / Bluetooth / BLE / ZigBee 2.4GHz Devices
- Hand Held Devices Where Both GPS And WiFi (Bluetooth) Are Needed. I.E. Smart Phone, Tablet, Trackers.

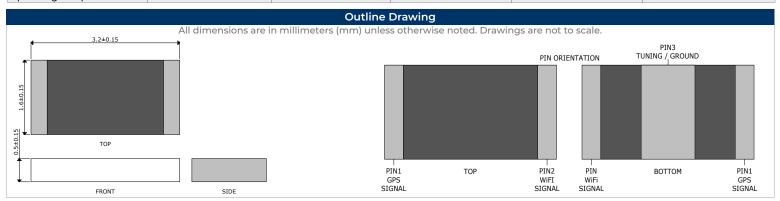




Electrical Parameters	Units	Minimum	Typical	Maximum	Remarks
Frequency Band	MHz		1575.42		
Impedance	Ω		50		
Polarization			Linear		
Peak Gain	dBi		1.5		At 1575.42MHz
Efficiency	%		61		At 1575.42MHz
VSWR				2	At Center Frequency
Operating Temperature	С	-40		85	

Electrical Parameters	Units	Minimum	Typical	Maximum	Remarks
Frequency Band	MHz	2400		2500	
Impedance	Ω		50		
Polarization			Linear		
Peak Gain	dBi		0.4		At 2442MHz
Efficiency	%		50		At 2442MHz
VSWR				2.5	At Center Frequency
Operating Temperature	С	-40		85	

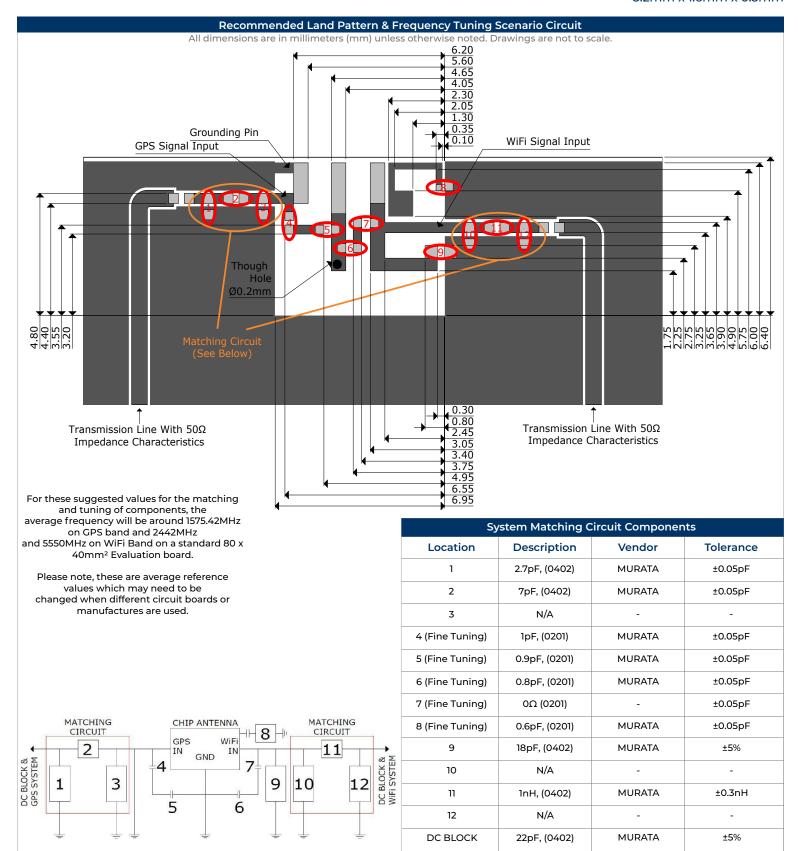
Electrical Parameters	Units	Minimum	Typical	Maximum	Remarks
Frequency Band	MHz	5150		5850	
Impedance	Ω		50		
Polarization			Linear		
Peak Gain	dBi		2.3		At 5550MHz
Efficiency	%		62		At 5550MHz
VSWR				2.5	At Center Frequency
Operating Temperature	С	-40		85	



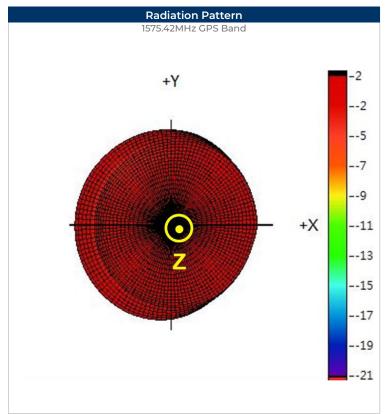
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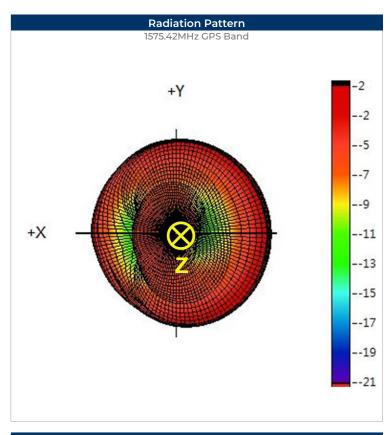
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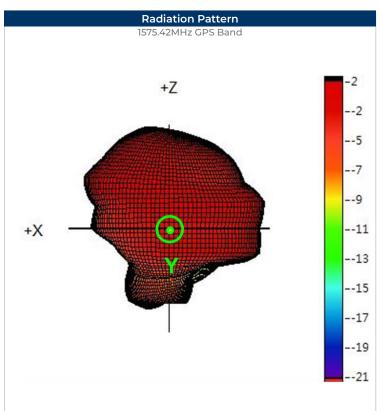


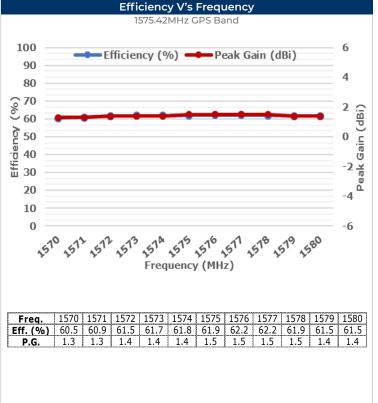








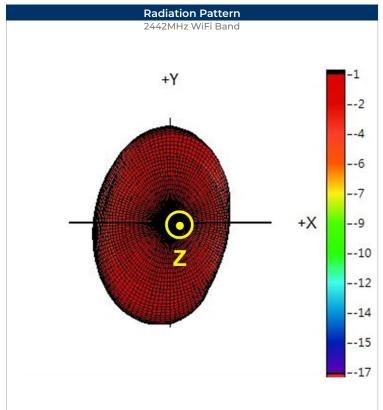


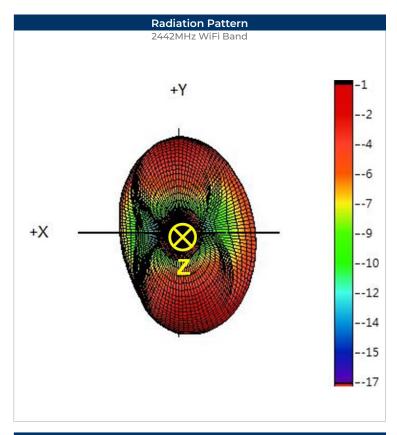


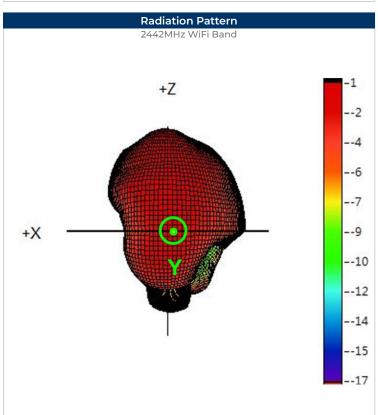
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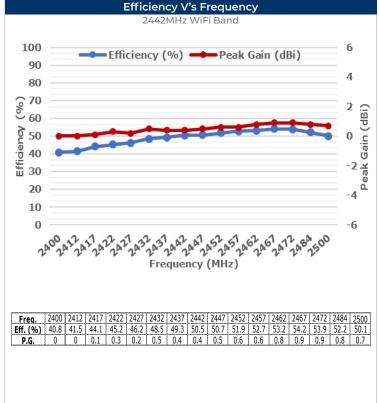
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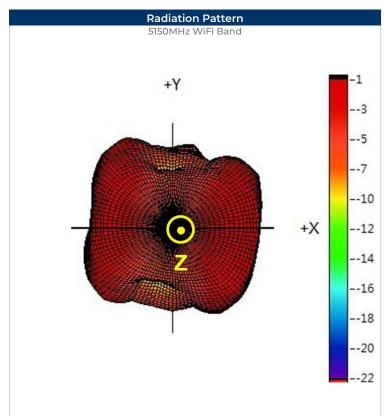


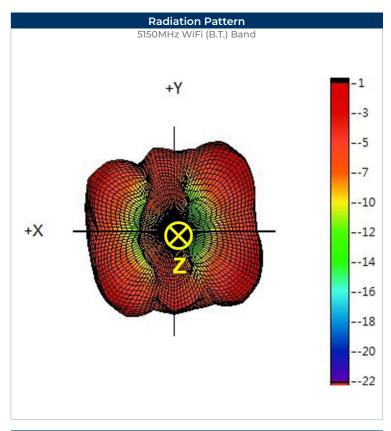
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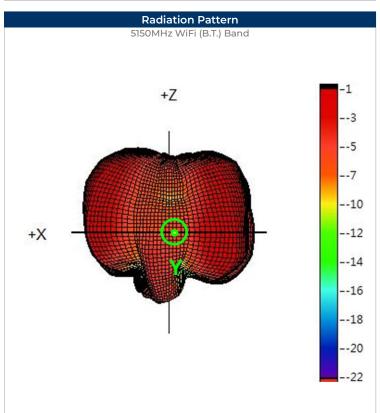
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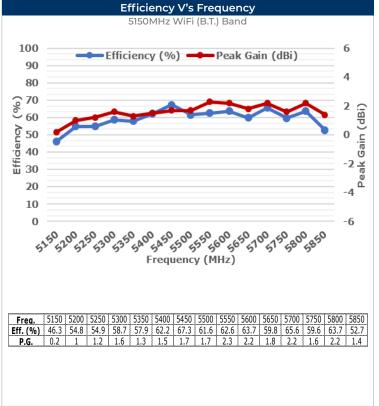
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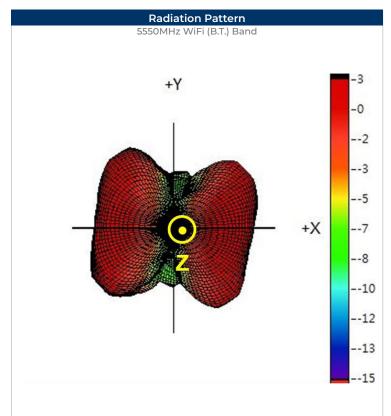


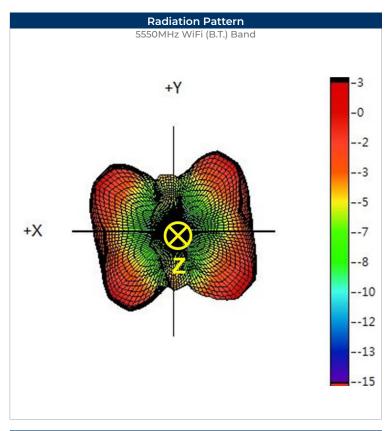


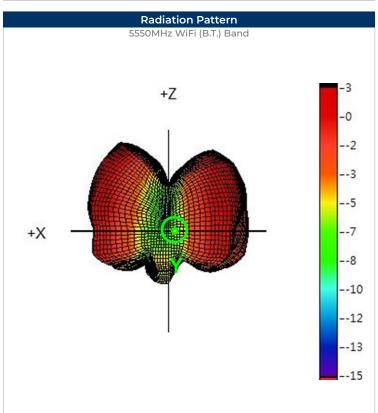


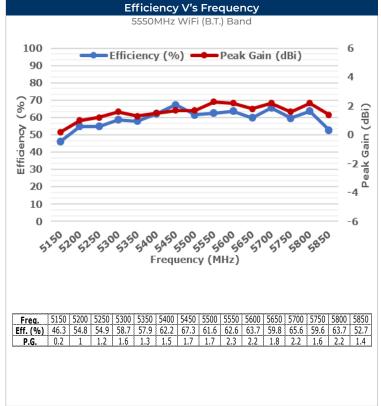
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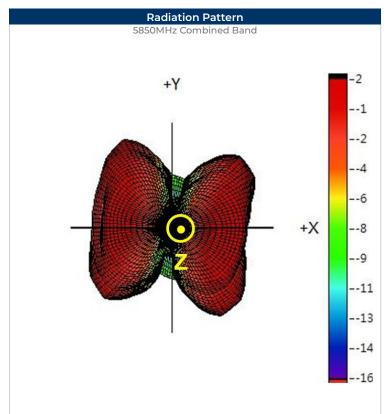


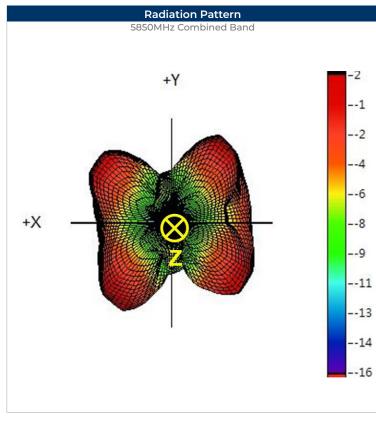


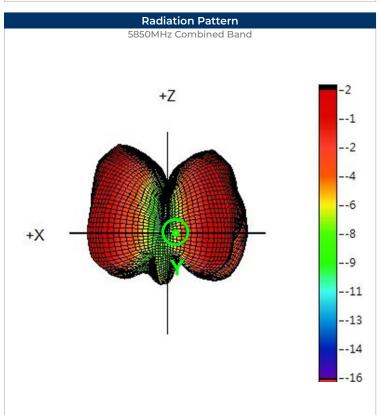


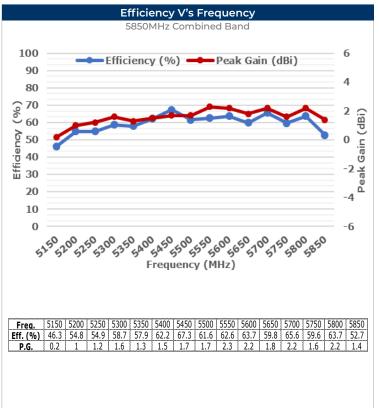








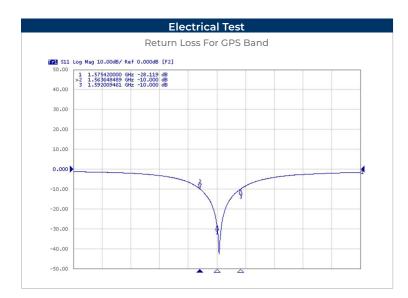


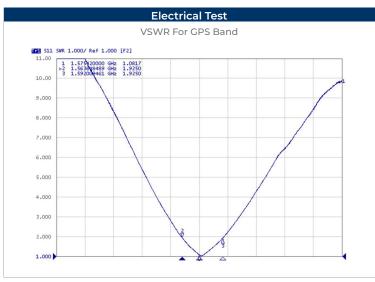


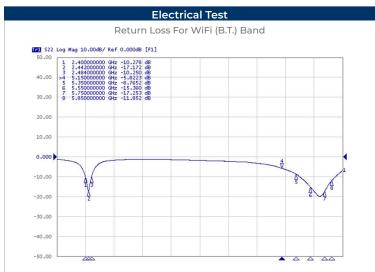
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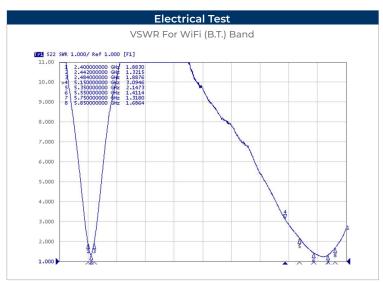


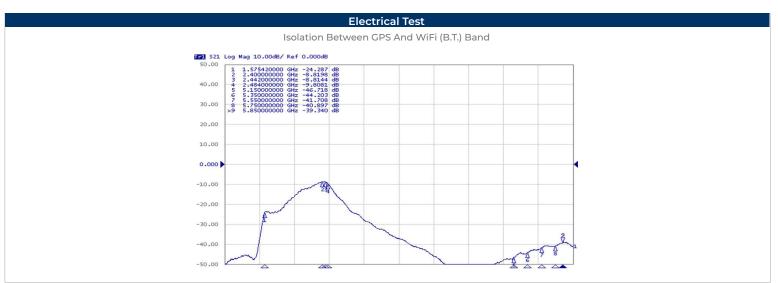
3.2mm x 1.6mm x 0.5mm **Electrical Test** VSWR For GPS Band







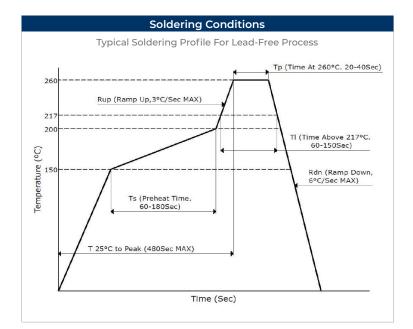


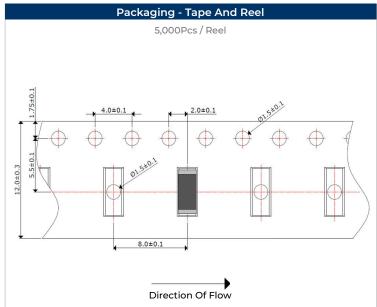


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Environmental & Mechanical Specifications		
High Temperature Test	85°C for 500 hours, and then to normal temperature/humidity for 24hours.	
Low Temperature Test	-30°C for 500 hours, and then to normal temperature/humidity for 24hours.	
Humidity Test	85°C / 90-95%RH for 96 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.	