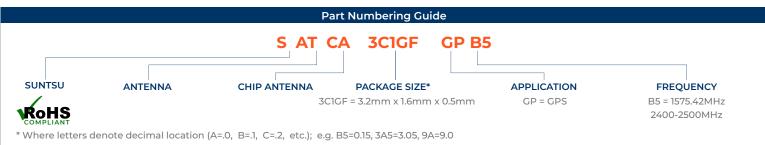
Features

- GPS & WiFi/Bluetooth Combo
- Chip Type
- Stable And Reliable Performance
- 1575.42MHZ & 2400-2500MHZ
- SMT Process Compatible

Applications

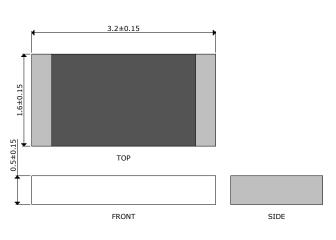
- GPS Devices
- WiFi / Bluetooth / BLE / ZigBee 2.4GHz Devices
- Hand Held Devices where Both GPS And WiFi (Bluetooth) Are Needed. I.E. Smart Phone, Tablet, Trackers.

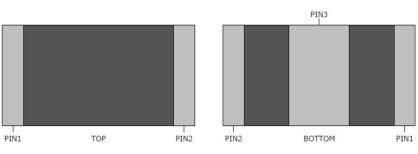




Electrical Parameters	Units	Minimum	Typical	Maximum	Remarks
Frequency Band	MHz		1575.42		
Impedance	Ω		50		
Polarization			Linear		
Peak Gain	dBi		1.3 (2.0)		At 1575.42MHz
Efficiency	%		61 (65)		At 1575.42MHz
VSWR				2	At Center Frequency
Operating Temperature	С	-40		85	
Electrical Parameters	Units	Minimum	Typical	Maximum	Remarks
Frequency Band	MHz	2400		2500	
Impedance	Ω		50		
Polarization			Linear		
Peak Gain	dBi		1.8 (-0.4)		At 2442MHz
Efficiency	%		68 (54)		At 2442MHz
VSWR				2	At Center Frequency

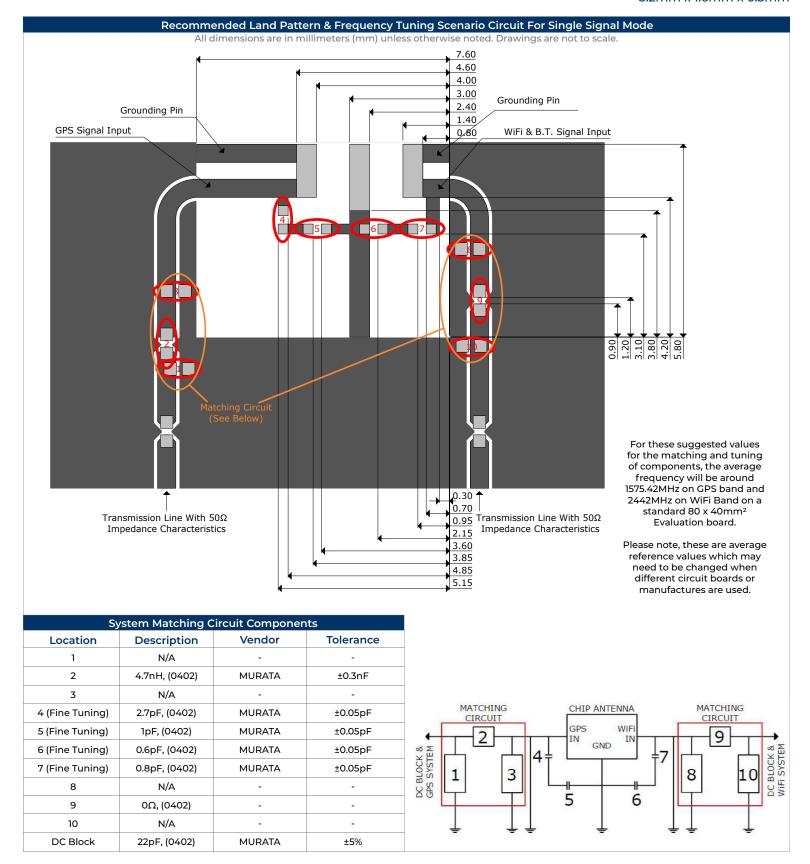
Please Note: Parameters above shown in RED are representative of the Combined Signal Mode. **Outline Drawing All dimensions are in millimeters (mm) unless otherwise noted. Drawings are not to scale.



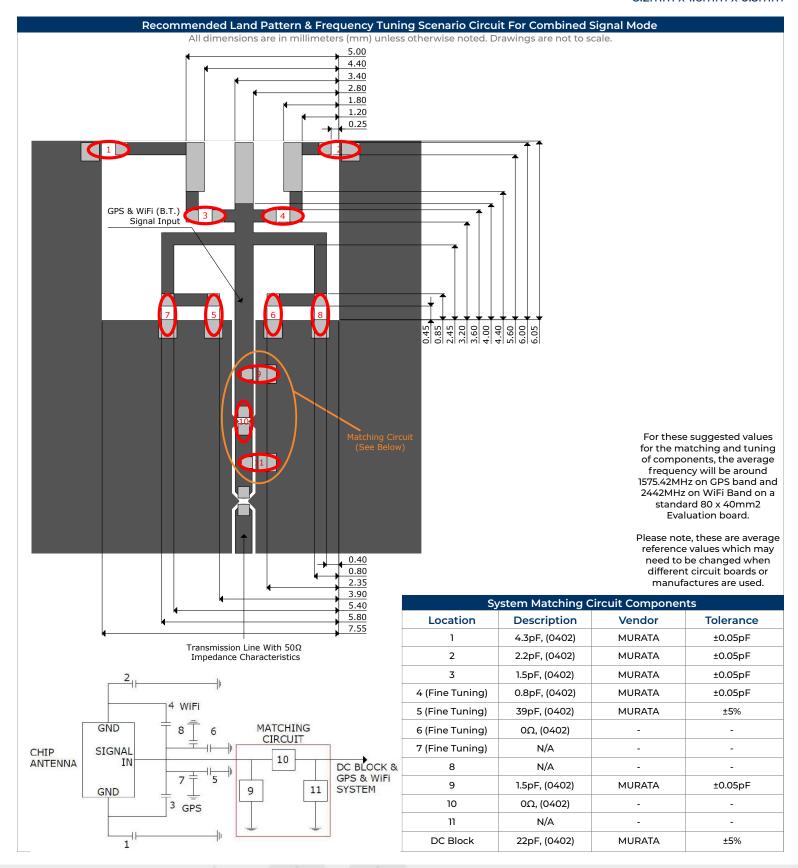


Pin Orientation				
PIN	PIN 1	PIN 2	PIN 3	
Individual Signal	GP	WiFi (B.T.)	Tuning / Ground	
Combined Signal	Tuning / Ground	Tuning / Ground	GPS & WiFi (B.T.)	





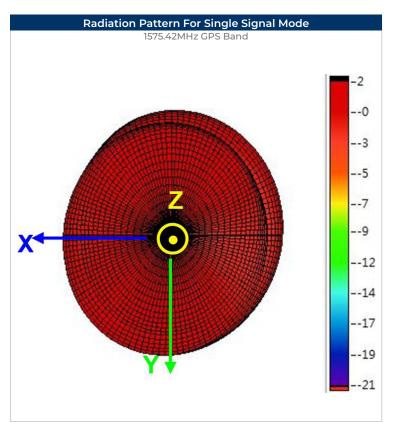


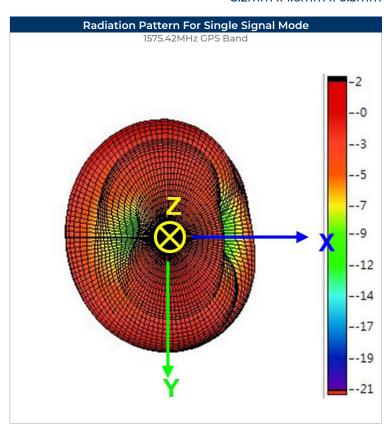


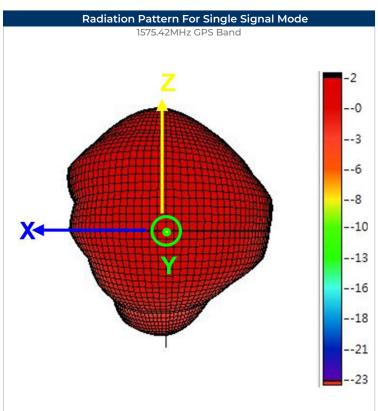
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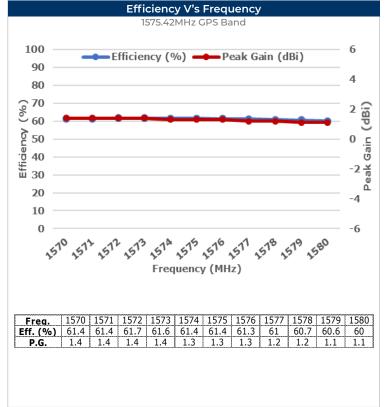
142 TECHNOLOGY DR., SUITE 150 IRVINE, CA 92618





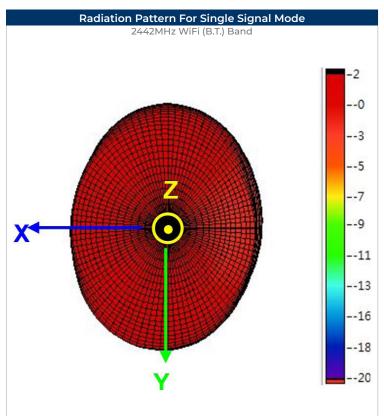


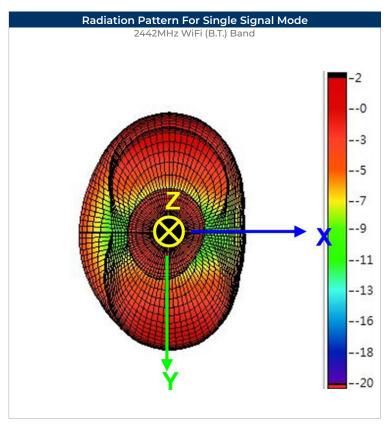


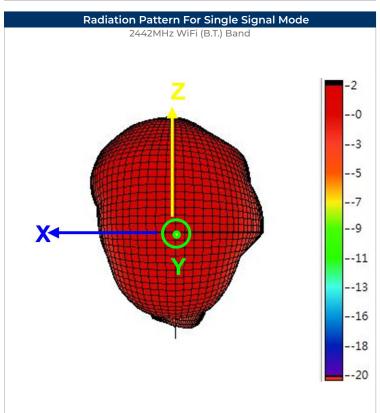


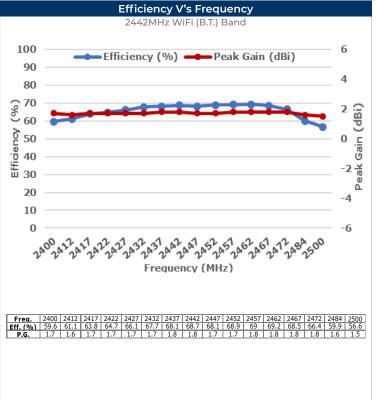
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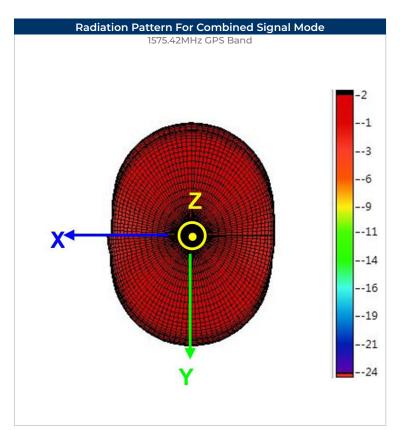


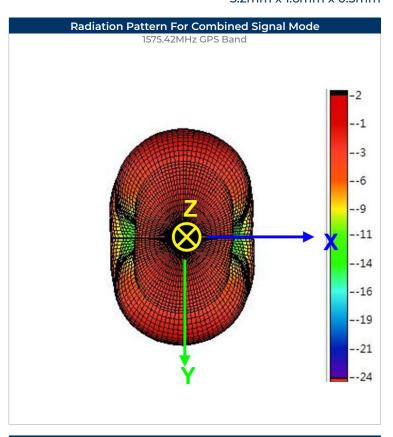


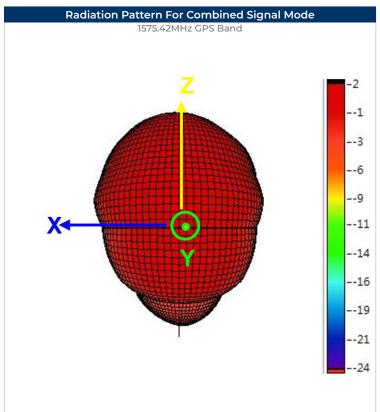


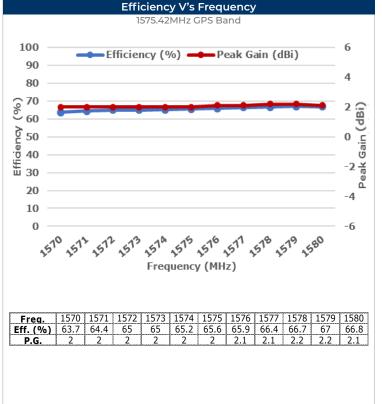
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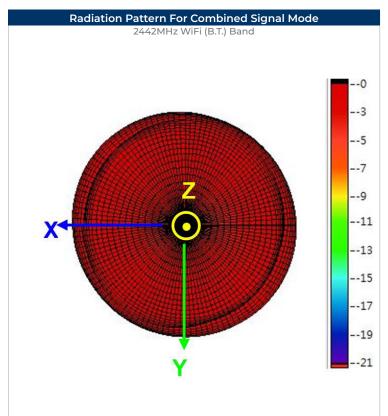


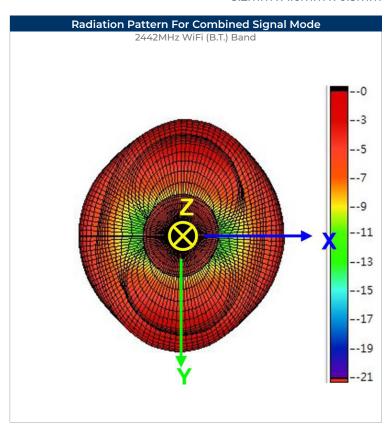


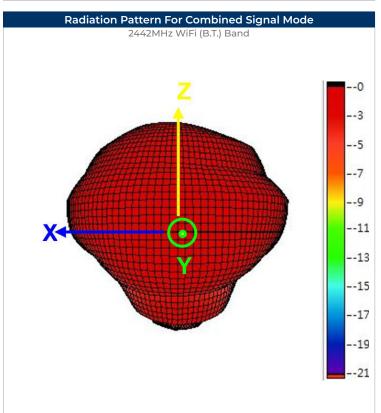
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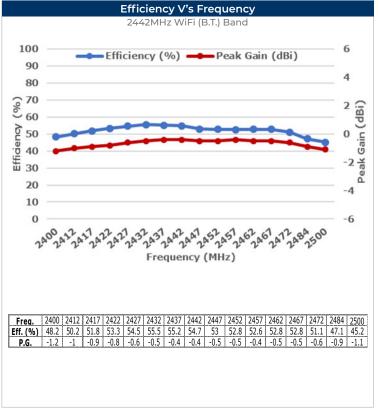
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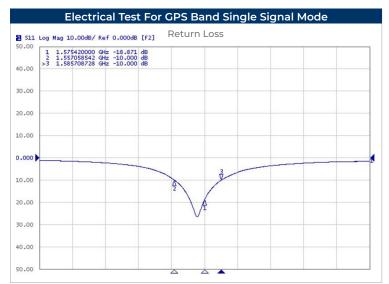


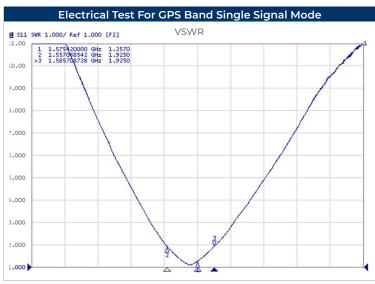
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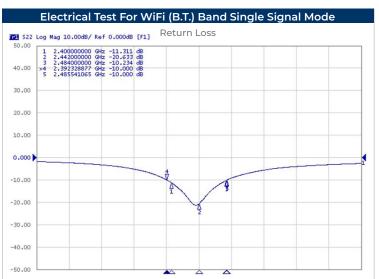
Suntsu Electronics, Inc. 142 TECHNOLOGY DR., SUITE 150 IRVINE, CA 92618

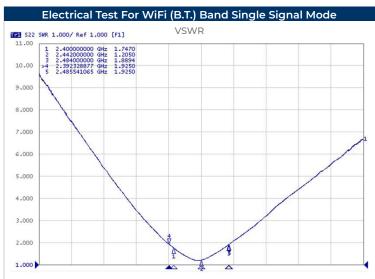


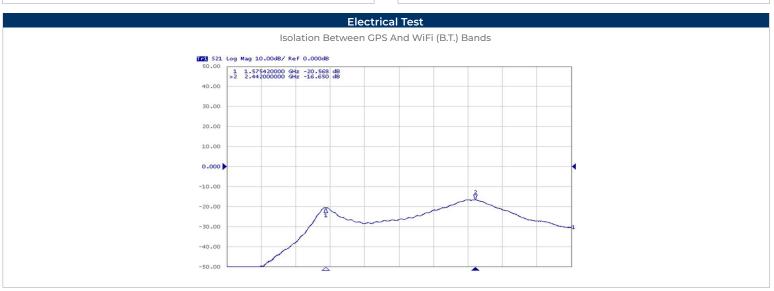
3.2mm x 1.6mm x 0.5mm







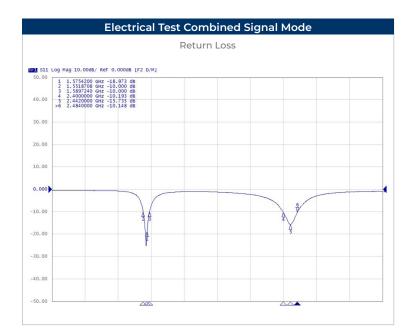


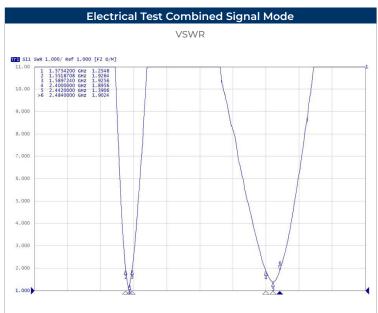


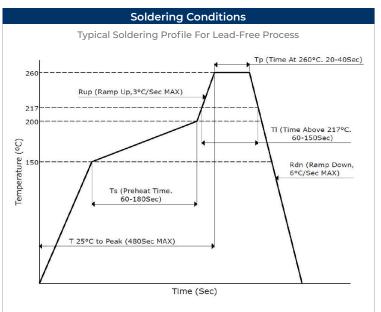
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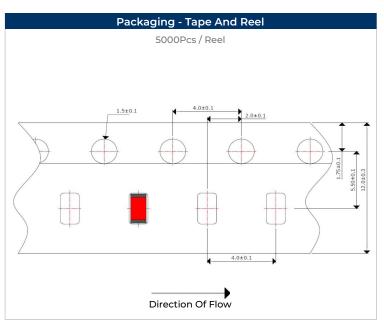
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Environmental & Mechanical Specifications				
High Temperature Test	85°C for 500 hours, and then to normal temperature/humidity for 24hours.			
Low Temperature Test	-30°C for 500 hours, and then to normal temperature/humidity for 24hours.			
Humidity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