

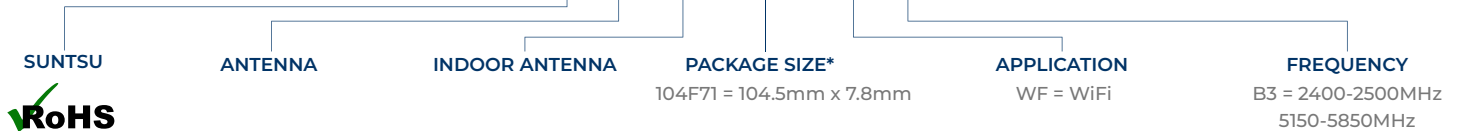
Features
<ul style="list-style-type: none"> WiFi / Bluetooth Indoor Type 50 Ohm Impedance 2400-2500MHz & 5150-5850MHz Omni Radiation

Applications
<ul style="list-style-type: none"> Bluetooth & IEEE 802.11a/b/g/n/ac Wireless Communication Portable Device Machine To Machine Communication Network Devices



Part Numbering Guide

S AT IA 104F7I WF B3



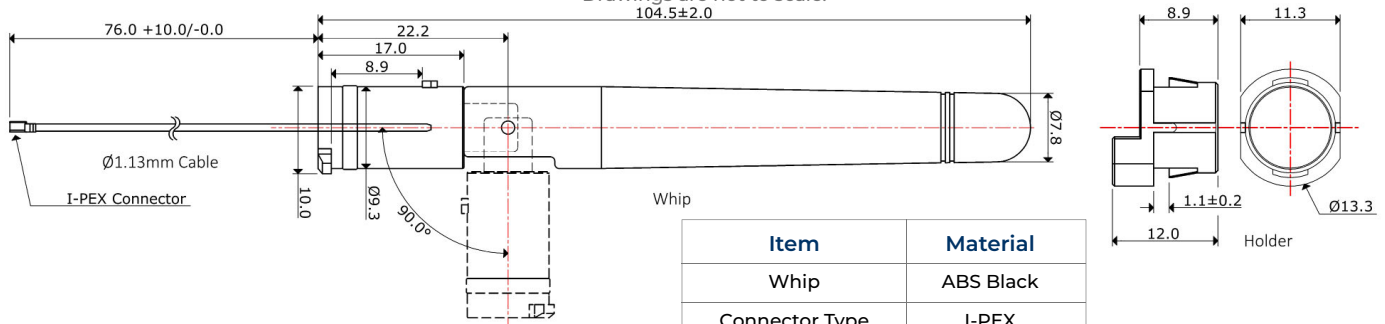
* Where letters denote decimal location (A=0, B=1, C=2, etc.); e.g. B5=0.15, 3A5=3.05, 9A=9.0

Electrical Parameters	Units	Minimum	Typical	Maximum	Remarks
Frequency Band	MHz	2400		2500	
Impedance	Ω		50		
Polarization			Vertical		
Peak Gain	dBi		2.0		At 2450MHz
Efficiency	%		66.7		At 2450MHz
VSWR				2.0	At Center Frequency
Operating Temperature	$^{\circ}\text{C}$	-20		65	

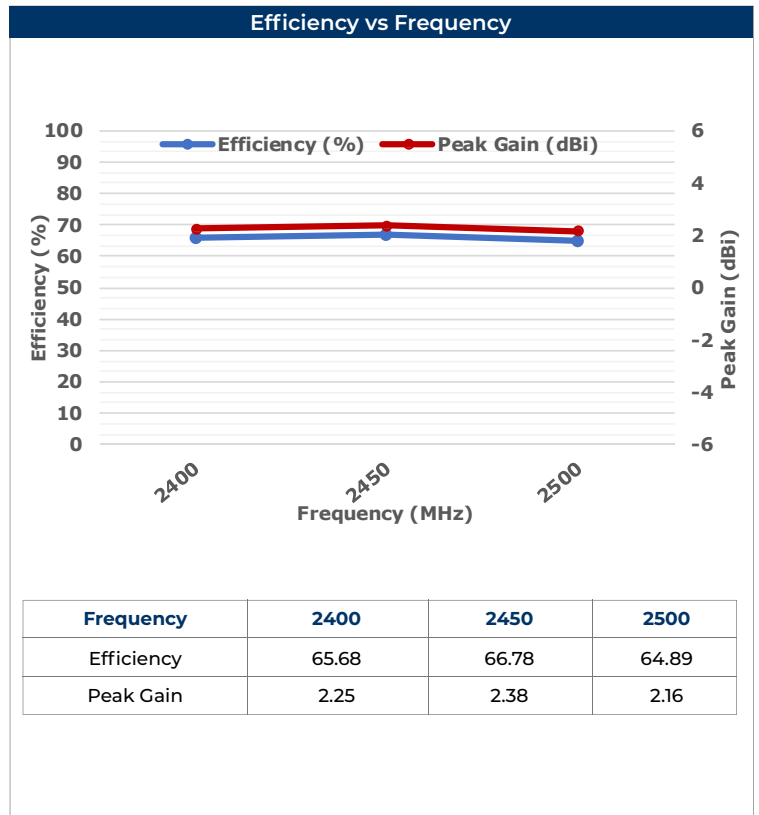
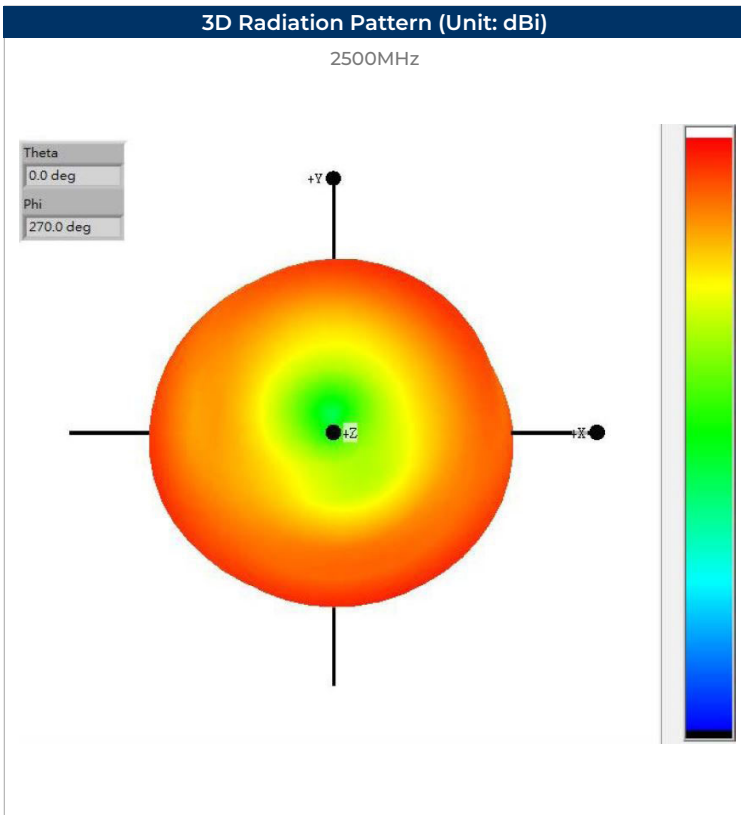
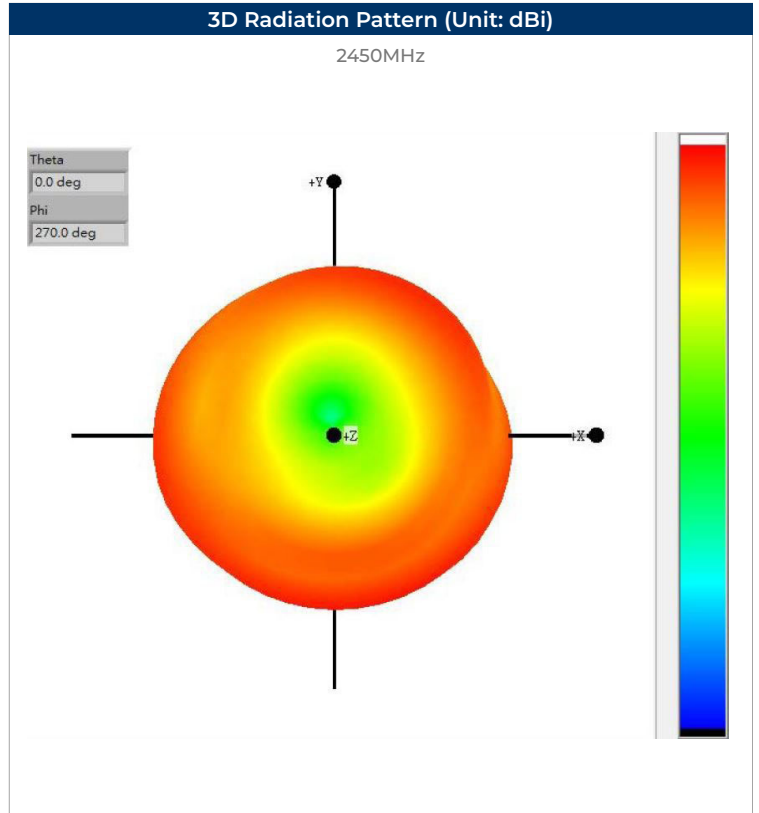
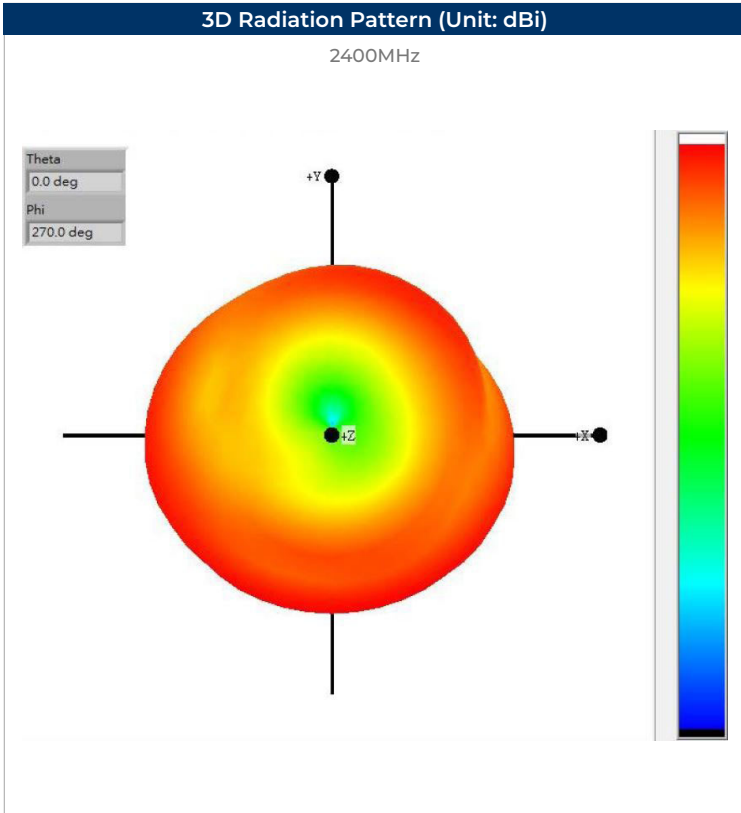
Electrical Parameters	Units	Minimum	Typical	Maximum	Remarks
Frequency Band	MHz	5150		5850	
Impedance	Ω		50		
Polarization			Vertical		
Peak Gain	dBi		3.0		At 5550MHz
Efficiency	%		56.5		At 5550MHz
VSWR				2.0	At Center Frequency
Operating Temperature	$^{\circ}\text{C}$	-20		65	

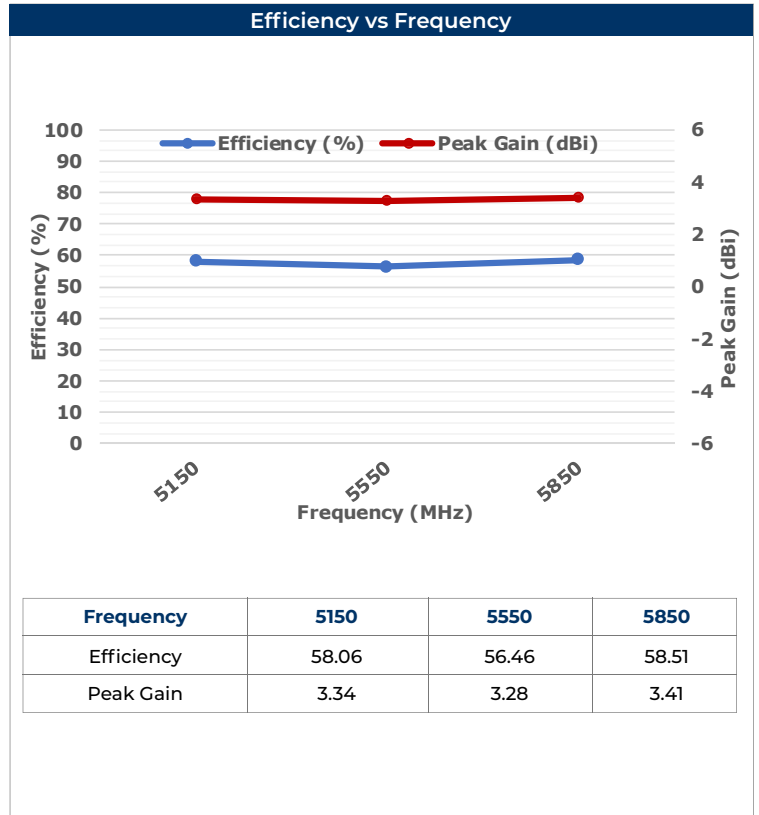
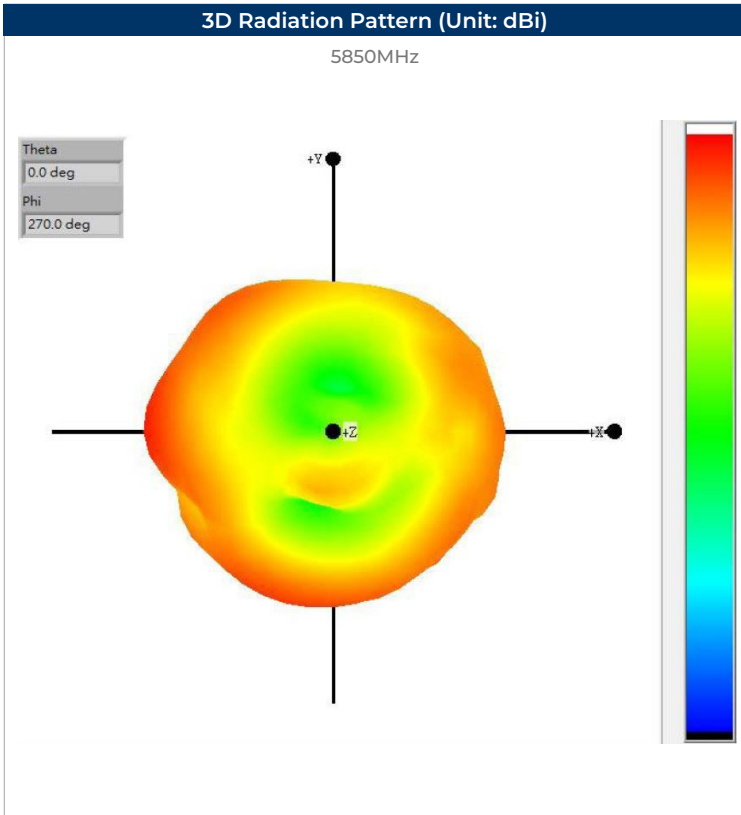
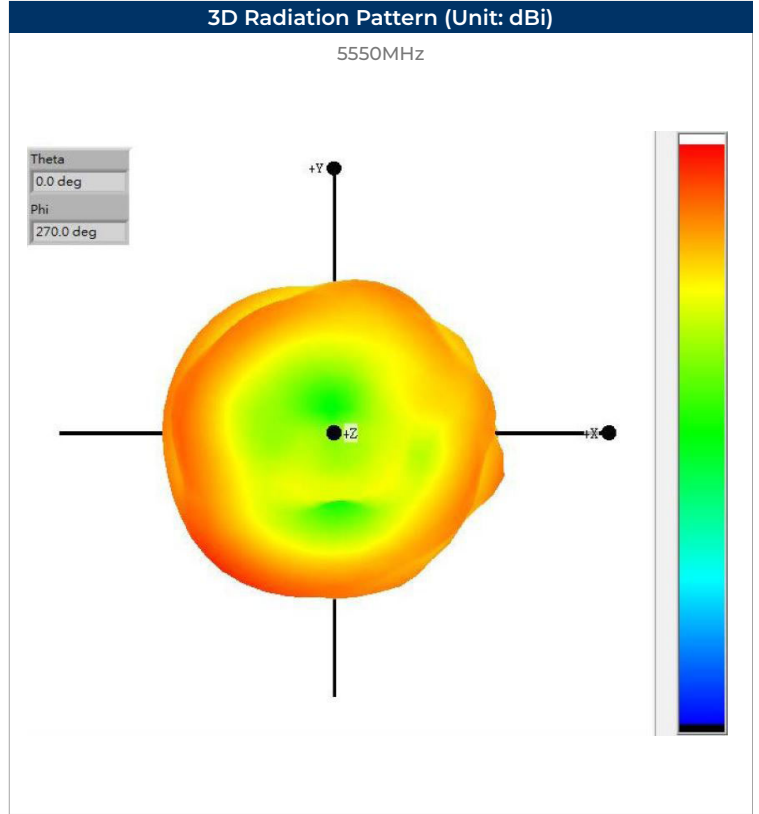
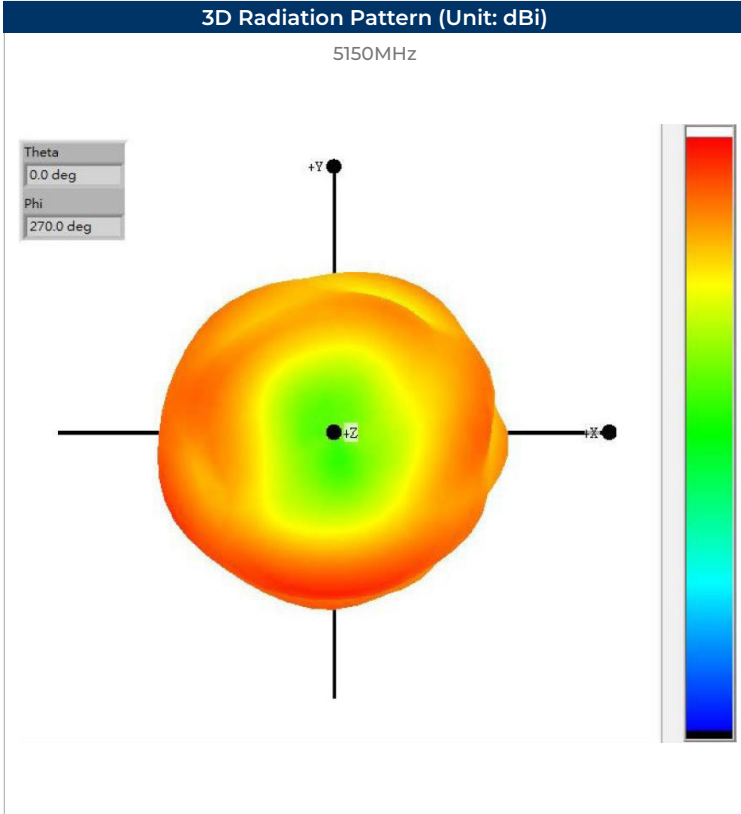
Outline Drawing

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



Item	Material
Whip	ABS Black
Connector Type	I-PEX
Connector	Brass

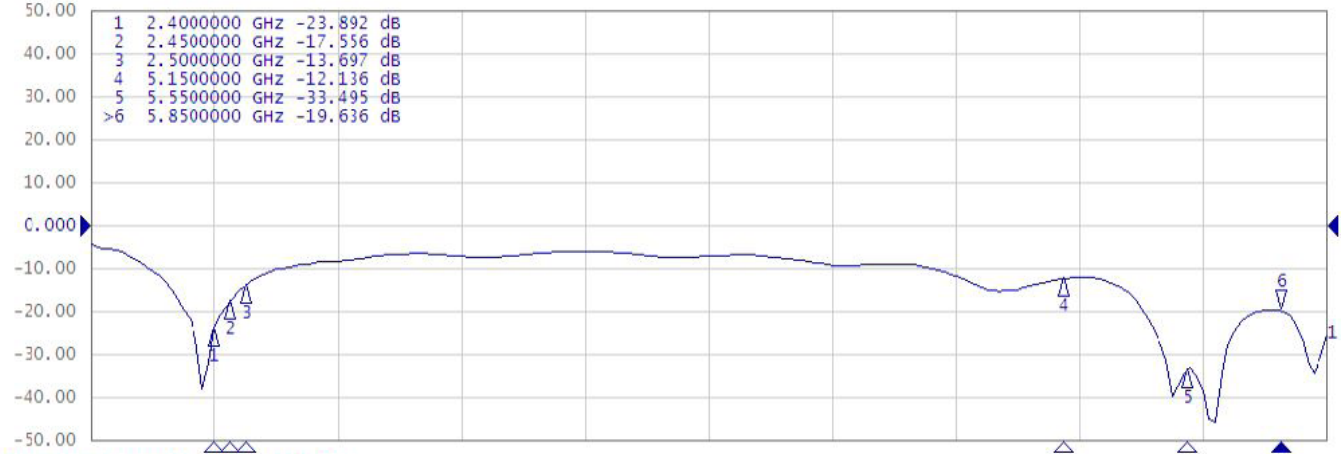




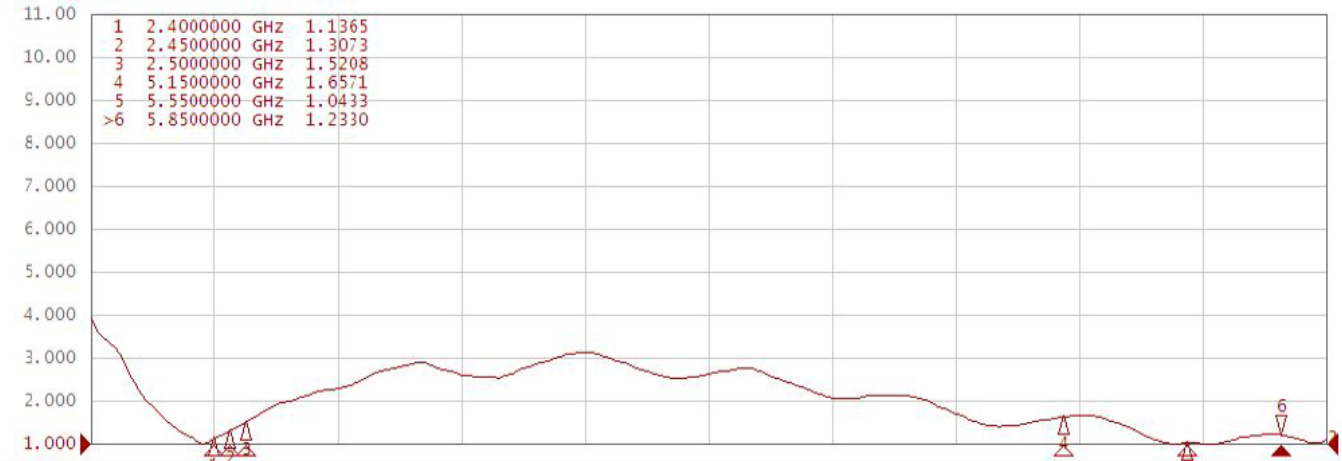
Electrical Test

Return Loss & VSWR

Tr1 S11 Log Mag 10.00dB/ Ref 0.000dB [F2]



Tr2 S11 SWR 1.000/ Ref 1.000 [F2]



Environmental & Mechanical Specifications

High Temperature Test	70°C for 48 hours, and then to normal temperature/humidity High Temperature Test for 24hours.
Low Temperature Test	-20°C for 48 hours, and then to normal temperature/humidity for 24hours.
Humidity Test	65°C / 90%RH for 48 hours, and then to normal temperature/humidity for 24hours.
Thermal Shock Test	-20°C for 30 min and +70°C for 30 min. 48 cycles, then expose to normal temperature/humidity for 24 hours or more.