

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

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



Part Numbering Guide

S AT IA 207B2II WF B3

SUNTSU	ANTENNA	INDOOR ANTENNA	PACKAGE SIZE* 207B2II = 207.1mm x 21.8mm	APPLICATION CE = Cellular	FREQUENCY B3 = 2400-2500MHz 5150-5850MHz
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* Where letters denote decimal location (A=0, B=1, C=2, etc.); e.g. B5=0.15, 3A5=3.05, 9A=9.0

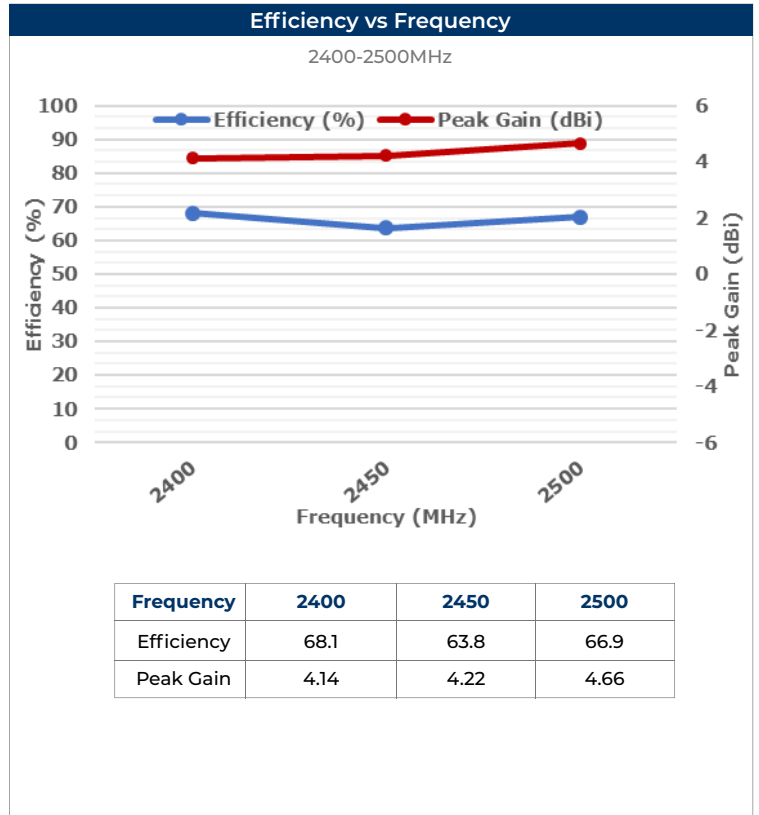
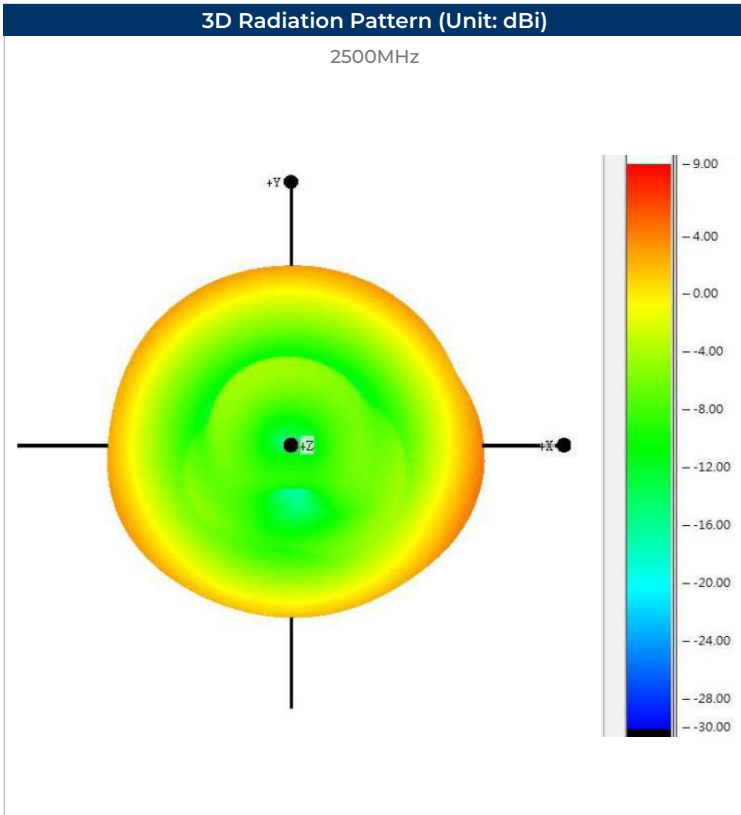
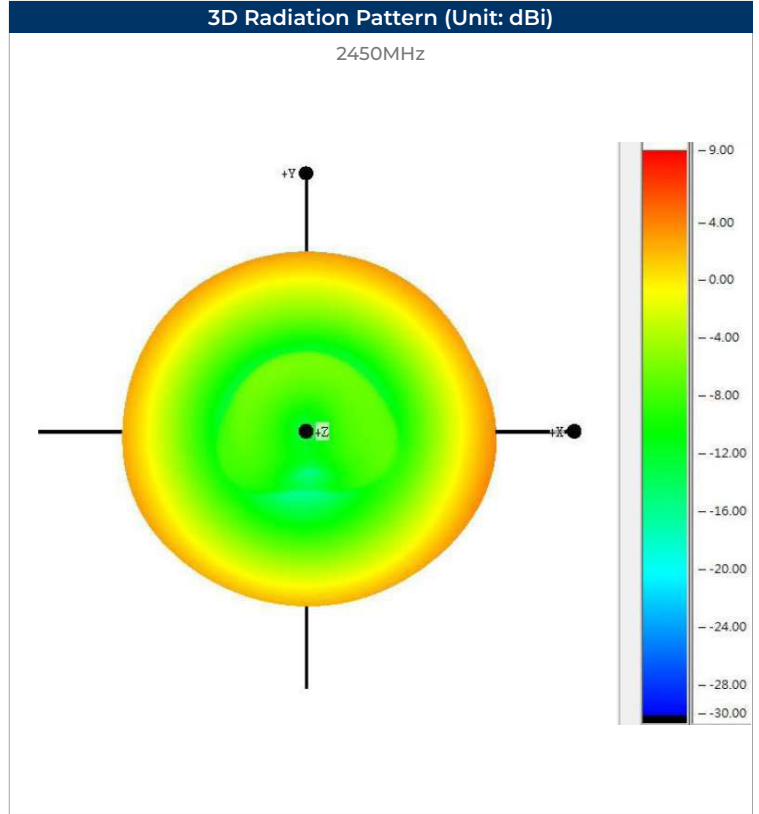
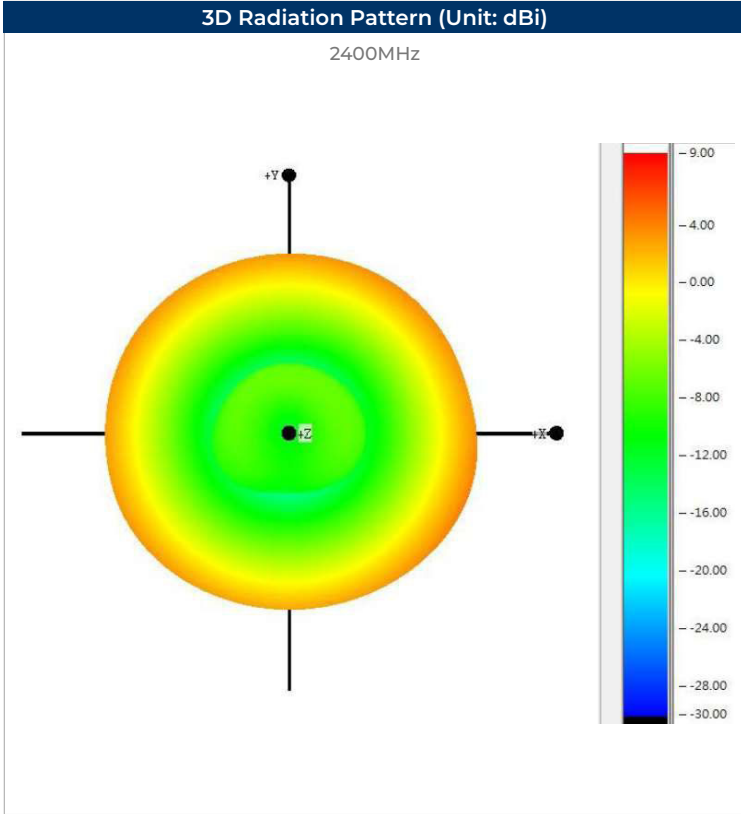
Electrical Parameters	Units	Minimum	Typical	Maximum	Remarks
Frequency Band	MHz	2400		2500	
Impedance	Ω		50		
Polarization			Vertical		
Peak Gain	dBi		4.2		At 2450MHz
Efficiency	%		64		At 2450MHz
VSWR				2.5	At Center Frequency
Operating Temperature	C	-20		65	

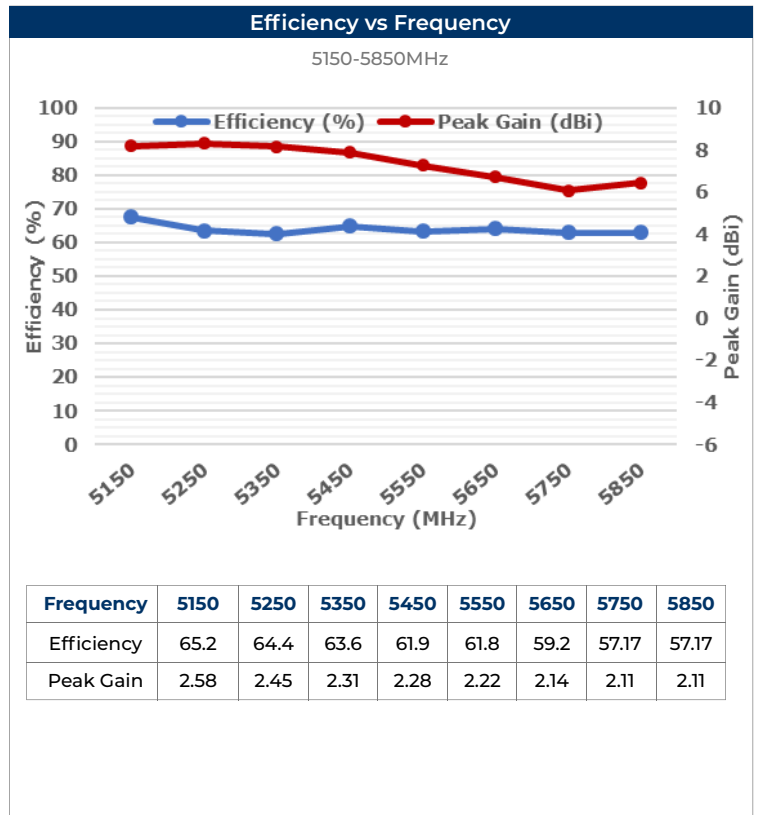
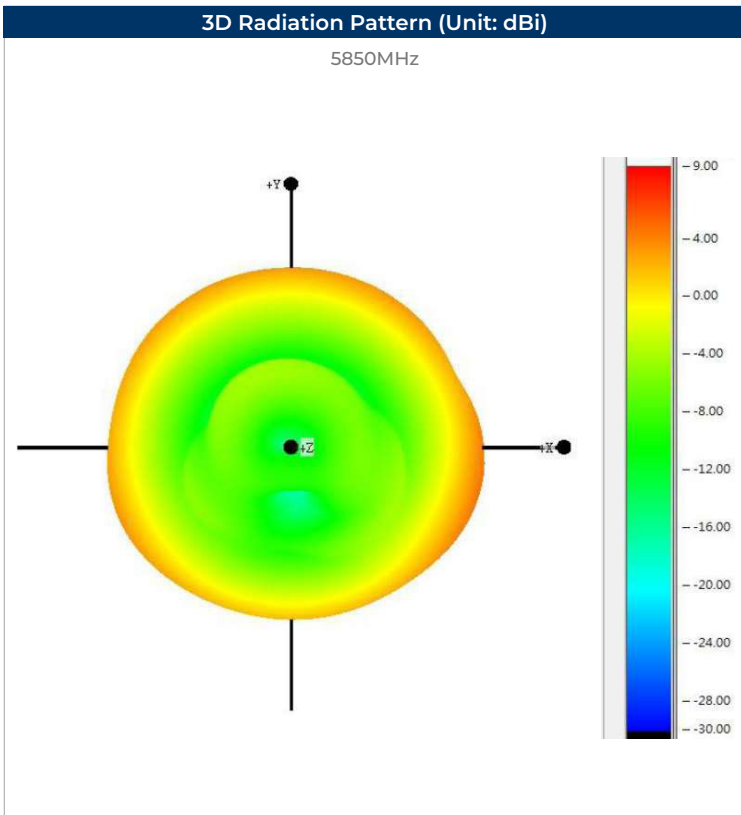
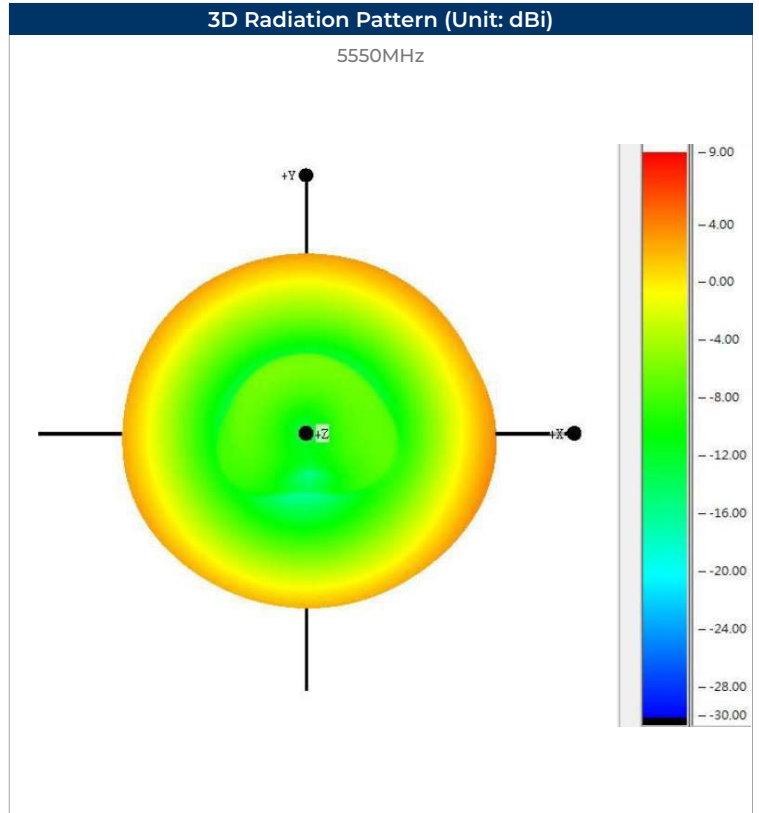
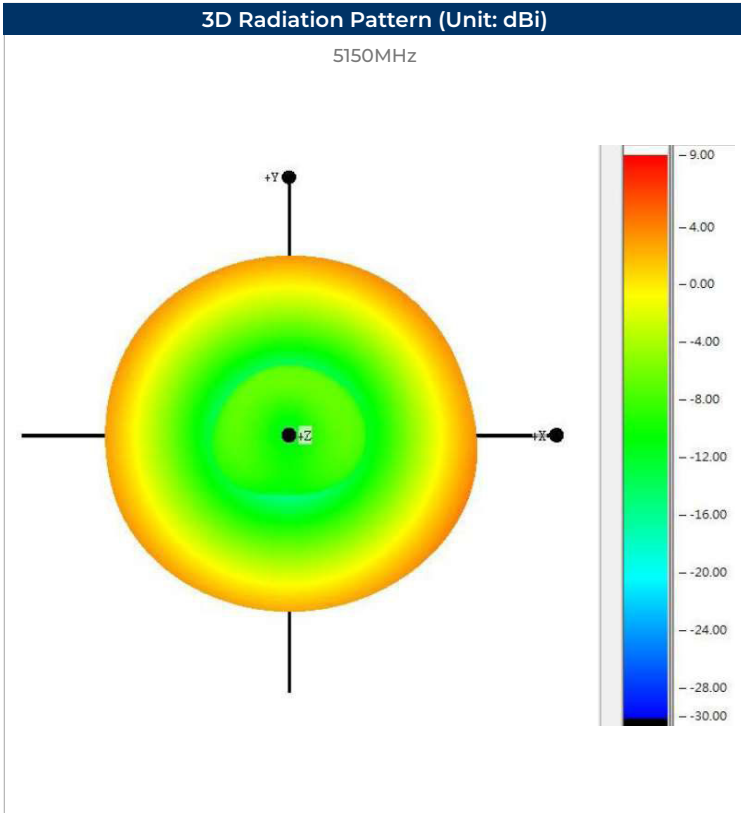
Electrical Parameters	Units	Minimum	Typical	Maximum	Remarks
Frequency Band	MHz	5150		5850	
Impedance	Ω		50		
Polarization			Vertical		
Peak Gain	dBi		7.25		At 5550MHz
Efficiency	%		63		At 5550MHz
VSWR				2.5	At Center Frequency
Operating Temperature	C	-20		65	

Outline Drawing

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

Item	Material
Whip	ABS
Connector	Brass
Connector Insulator	Teflon

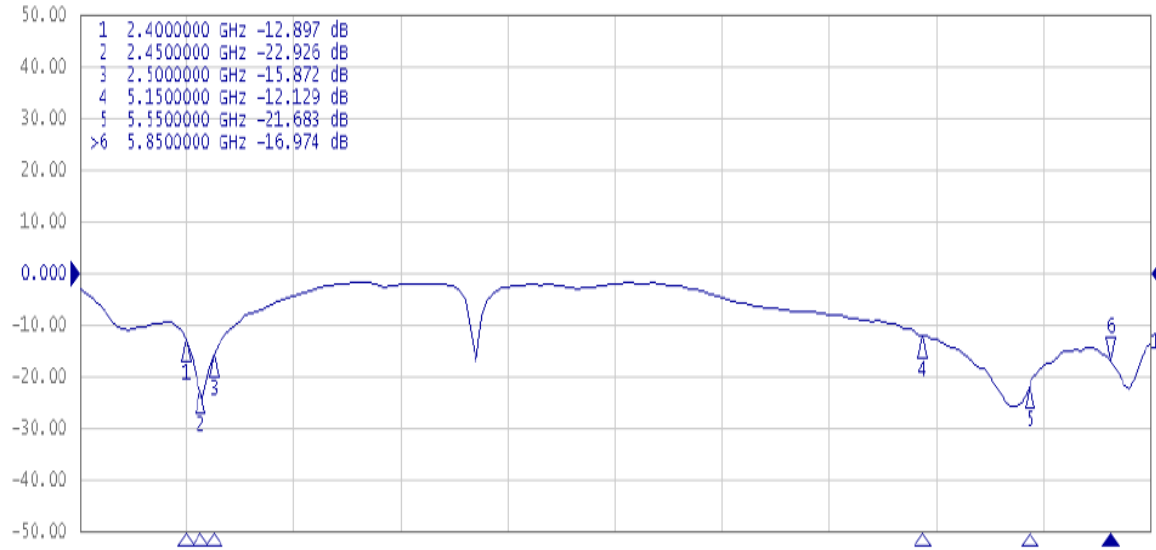




Electrical Test

Return Loss

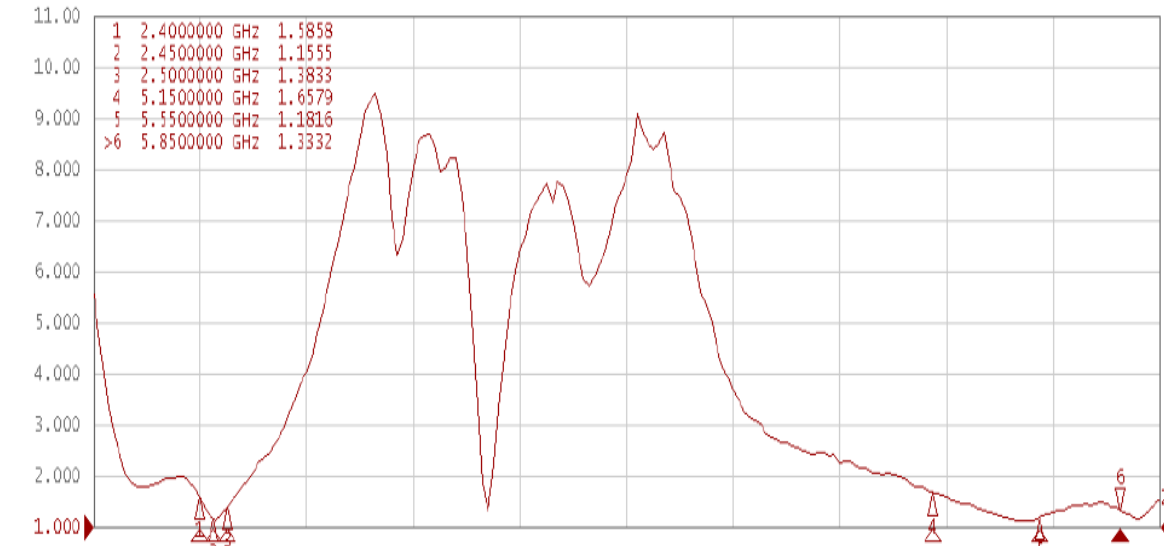
Tr1 S11 Log Mag 10.00dB/ Ref 0.00dB [F2]



Electrical Test

VSWR

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.