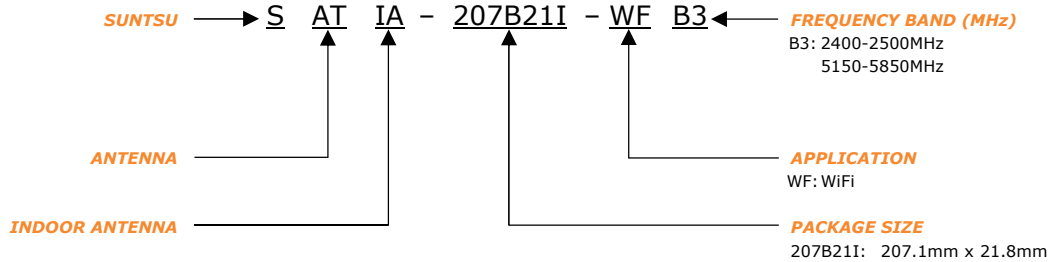


FEATURES	APPLICATIONS
<ul style="list-style-type: none"> - WiFi / Bluetooth - Indoor Antenna - 50 Ohm Impedance - 2400-2500MHz & 5150-5850MHz - Omni Radiation 	<ul style="list-style-type: none"> - Bluetooth & IEEE 802.11a/b/g/ac - Wireless Communication - Portable Device - Machine To Machine Communication - Network Devices



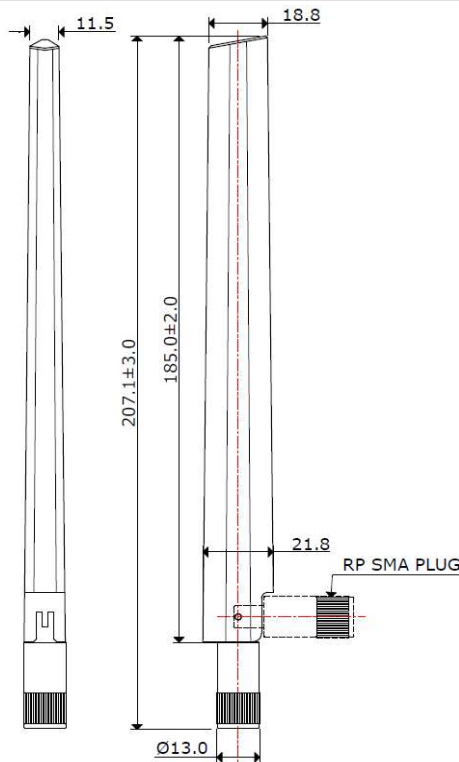
PART NUMBERING GUIDE



* Where letters denote decimal location A=.0, B=.1, C=.2, etc. Ex: B5=0.15, 3A5=3.05, 9A=9.0
 To customize your parameters, contact a Suntsu representative.

ELECTRICAL PARAMETERS (At 25°C)	UNITS	MIN.	TYP.	MAX	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	
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	

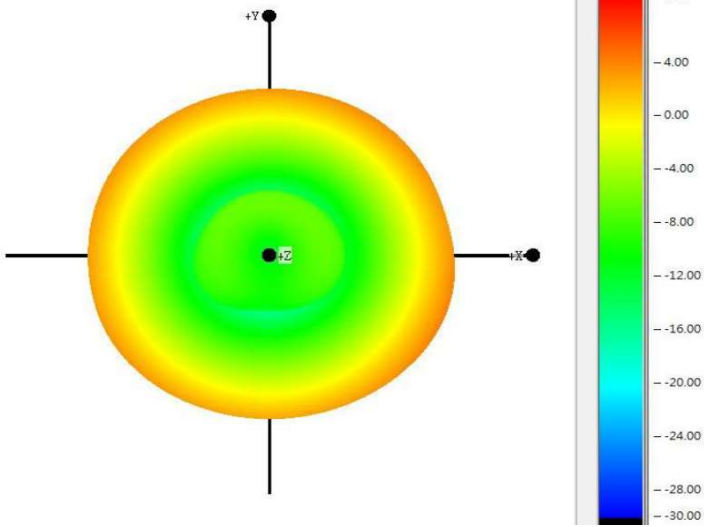
OUTLINE DRAWING (NOTE: All dimensions are in millimeters [mm], unless otherwise noted. Drawings are not to scale.)



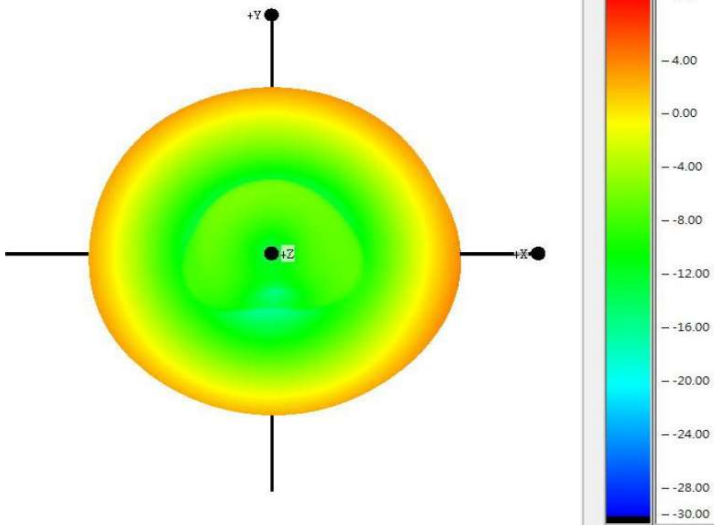
Item	Material
Whip	ABS
Connector	Brass
Connector Insulator	Teflon

3D RADIATION PATTERN (UNIT: dBi)

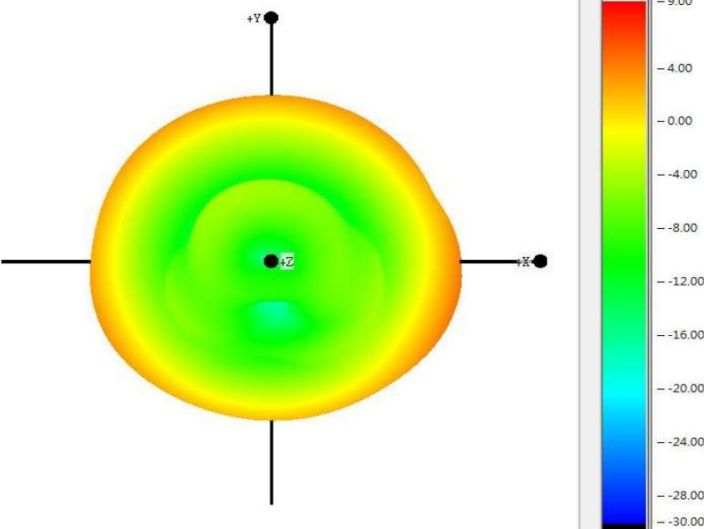
2400MHz



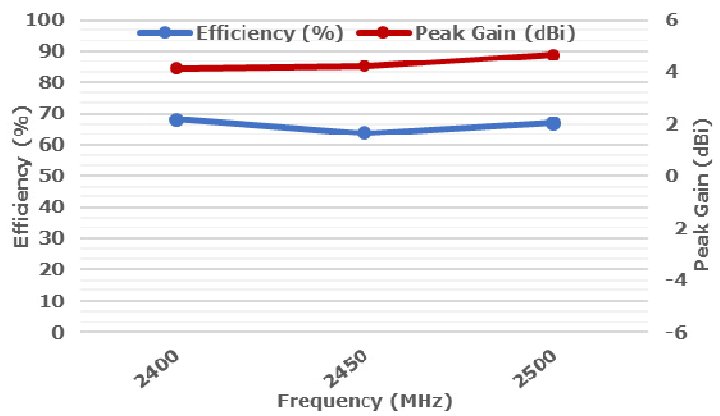
2450MHz



2500MHz

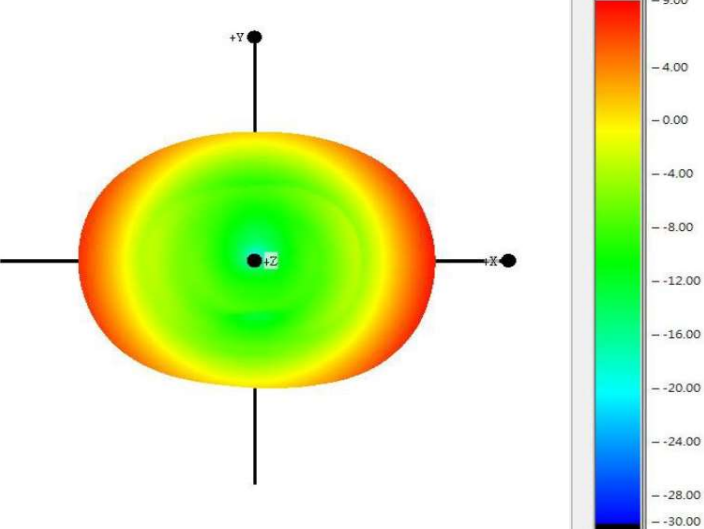


2400-2500MHz

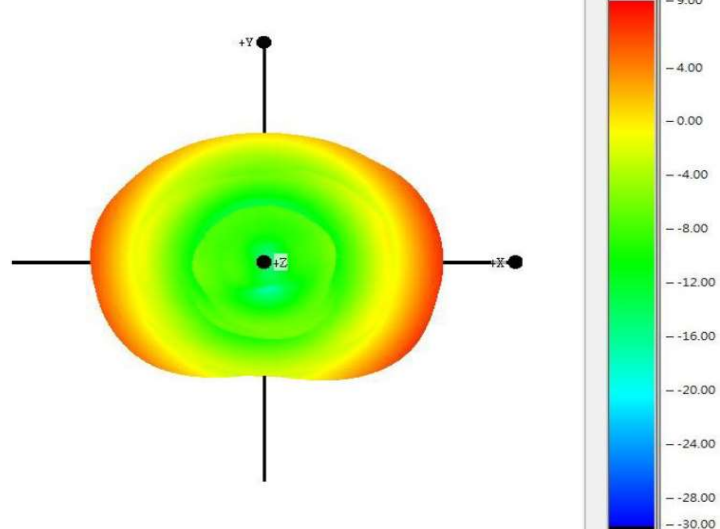


Freq.	2400	2450	2500
Eff. (%)	68.1	63.8	66.9
P.G.	4.14	4.22	4.66

5150MHz

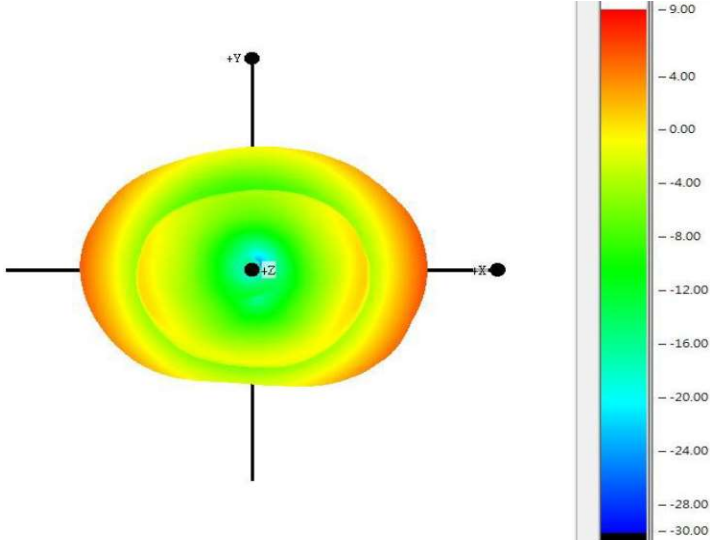


5550MHz

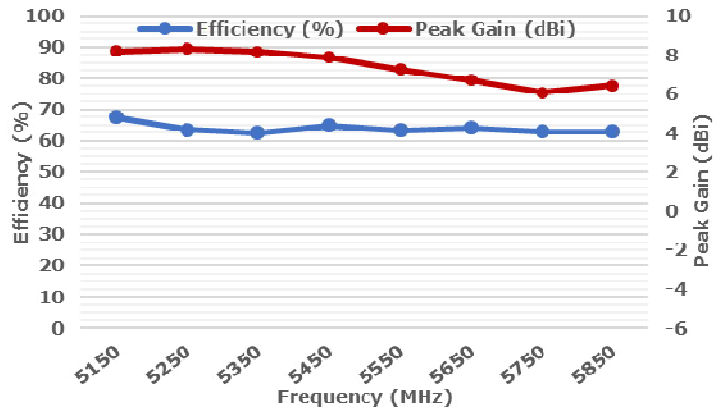


3D RADIATION PATTERN (UNIT: dBi) CONT.

5850MHz



5150-5850MHz

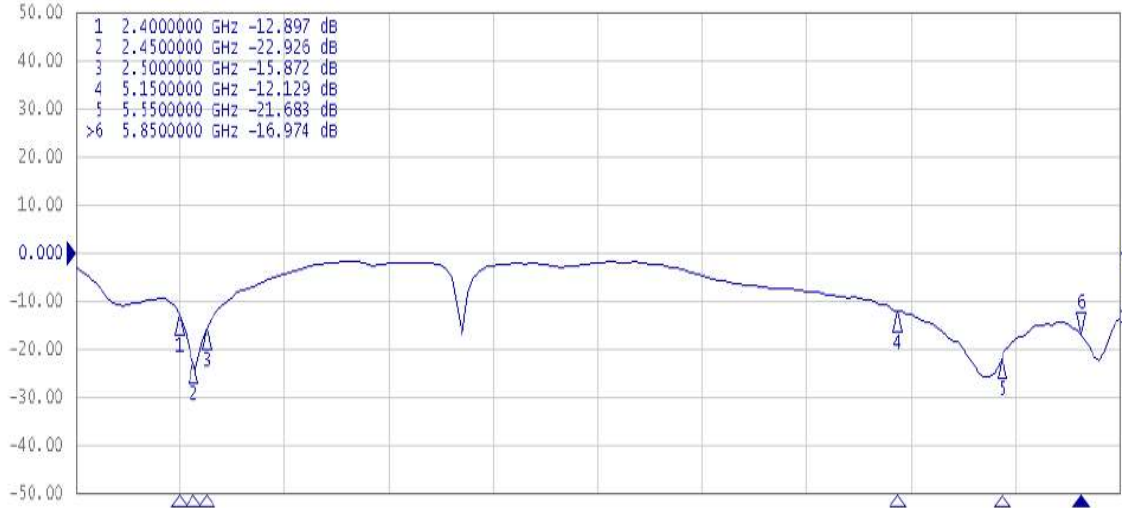


Freq.	5150	5250	5350	5450	5550	5650	5750	5850
Eff. (%)	67.5	63.6	62.5	64.9	63.4	64.1	63.02	62.98
P.G.	8.2	8.3	8.14	7.87	7.25	6.71	6.08	6.43

ELECTRICAL TEST

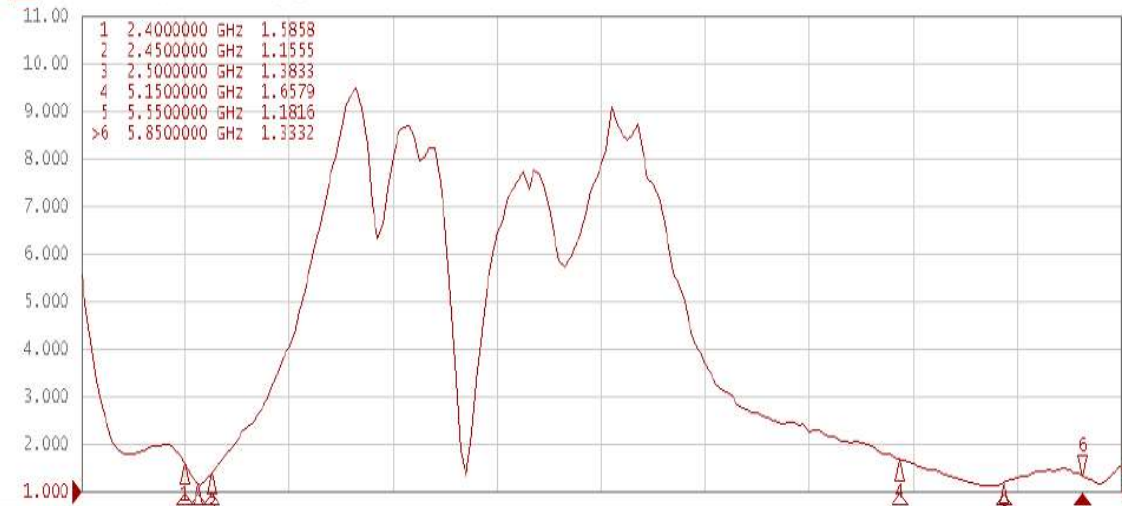
Return Loss

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



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 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.