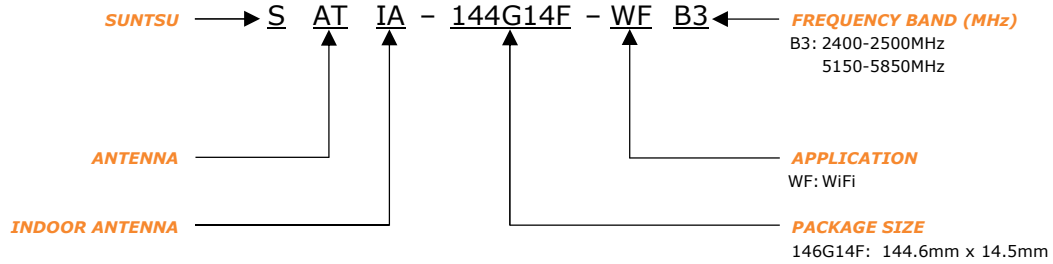


FEATURES	APPLICATIONS
<ul style="list-style-type: none"> - WiFi / Bluetooth - Indoor Antenna - 50 Ohm Impedance - 2400-2500MHz & 5150-5850MHz - Omni Radiation 	<ul style="list-style-type: none"> - Bluetooth & IEEE 802.11a/b/g/ac - Wireless Communication - Portable Device - Machine To Machine Communication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



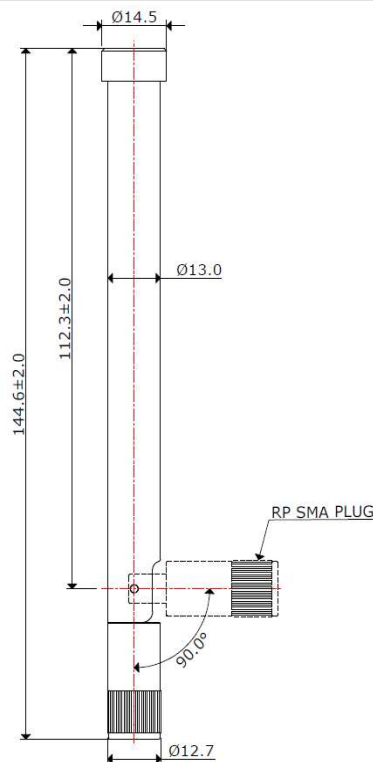
PART NUMBERING GUIDE



* 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		2.6		At 2450MHz
Efficiency	%		75		At 2450MHz
VSWR				2	At Center Frequency
Operating Temperature	°C	-20		65	
Frequency Band	MHz	5150		5850	
Impedance	Ω		50		
Polarization			Vertical		
Peak Gain	dBi		3.6		At 5550Mhz
Efficiency	%		76		At 5550Mhz
VSWR				2	At Center Frequency
Operating Temperature	°C	-20		65	

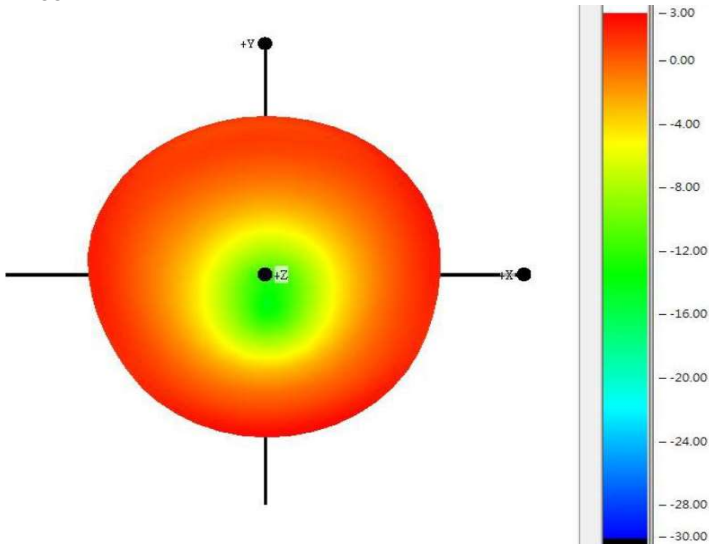
OUTLINE DRAWING (NOTE: All dimensions are in millimeters [mm], unless otherwise noted. Drawings are not to scale.)



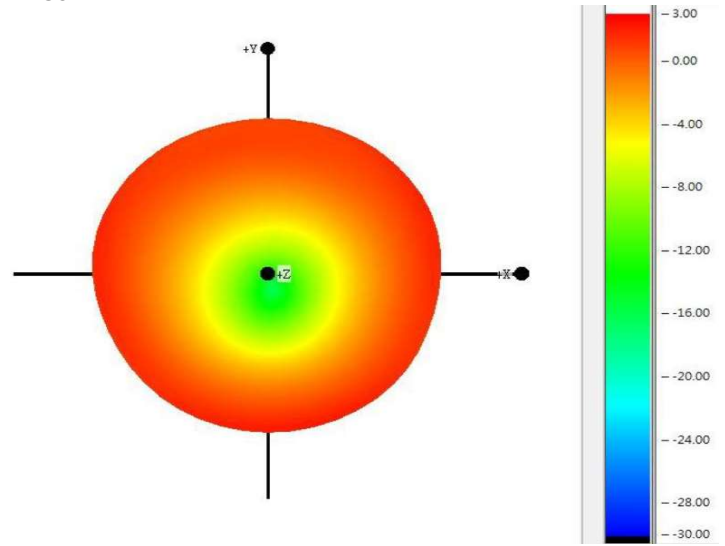
Item	Material
Whip	Fiberglass (White)
Connector	Brass
Connector Insulator	Teflon

3D RADIATION PATTERN (UNIT: dBi)

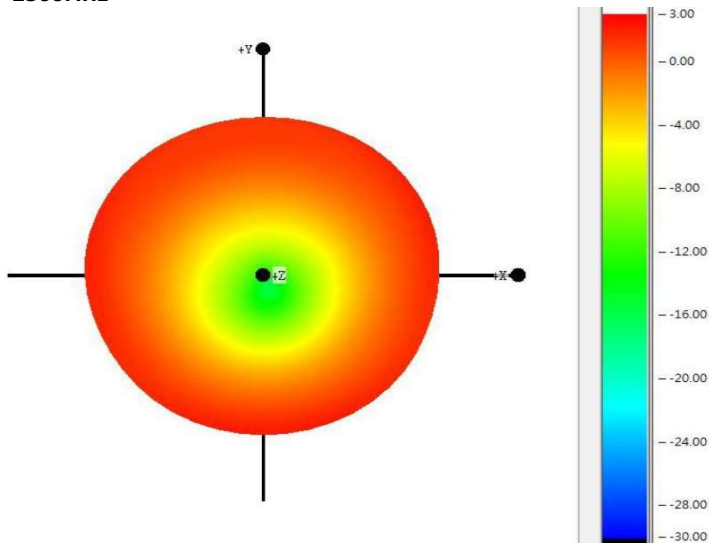
2400MHz



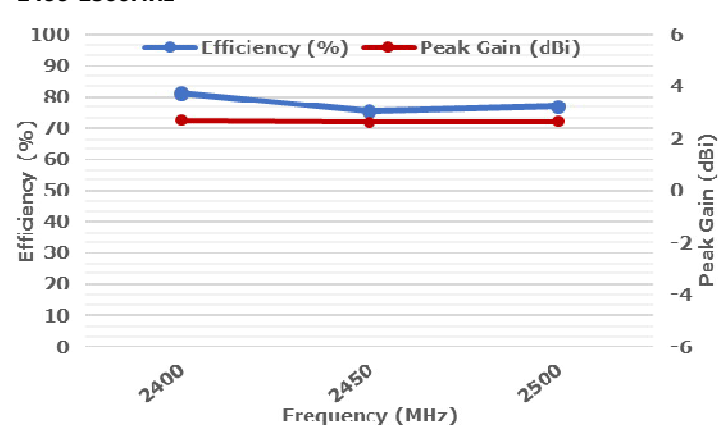
2450MHz



2500MHz

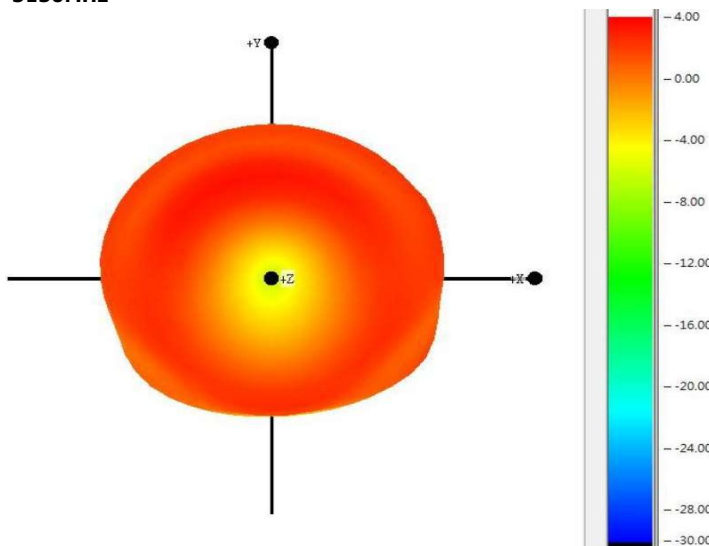


2400-2500MHz

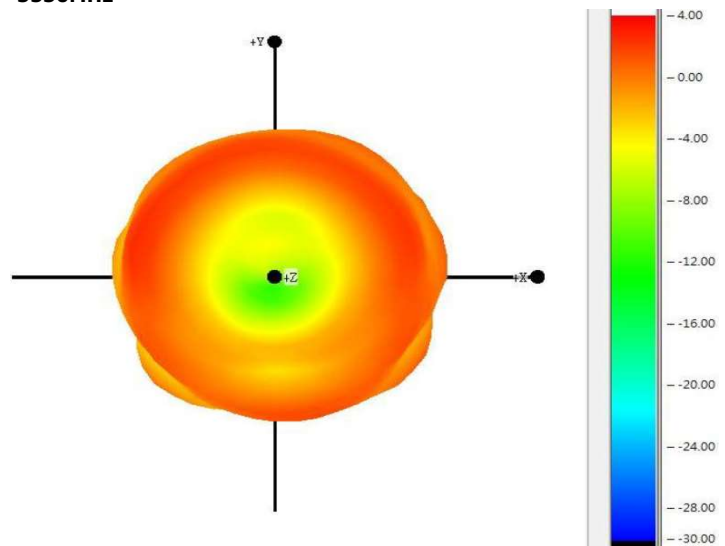


Freq.	2400	2450	2500
Eff. (%)	81.1	75.4	77
P.G.	2.71	2.63	2.65

5150MHz

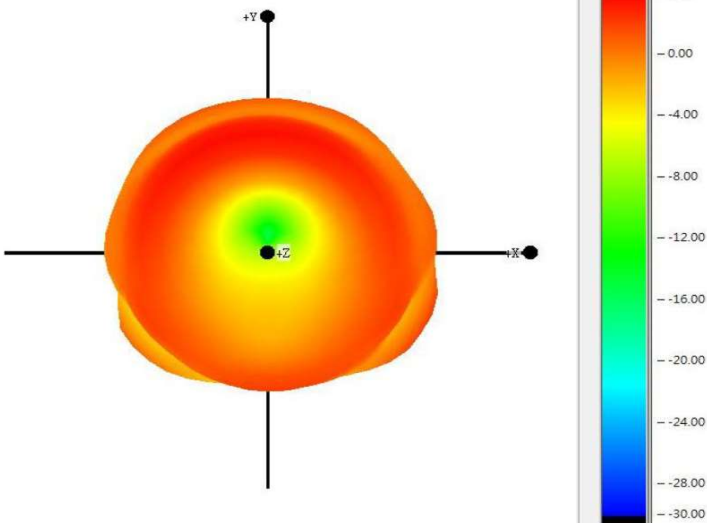


5550MHz

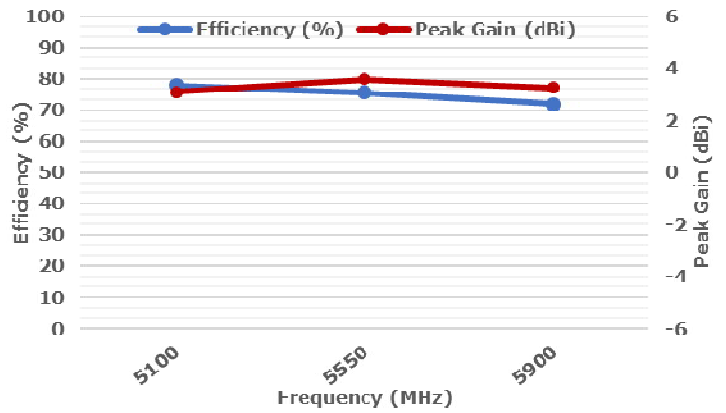


3D RADIATION PATTERN (UNIT: dBi)

5900MHz



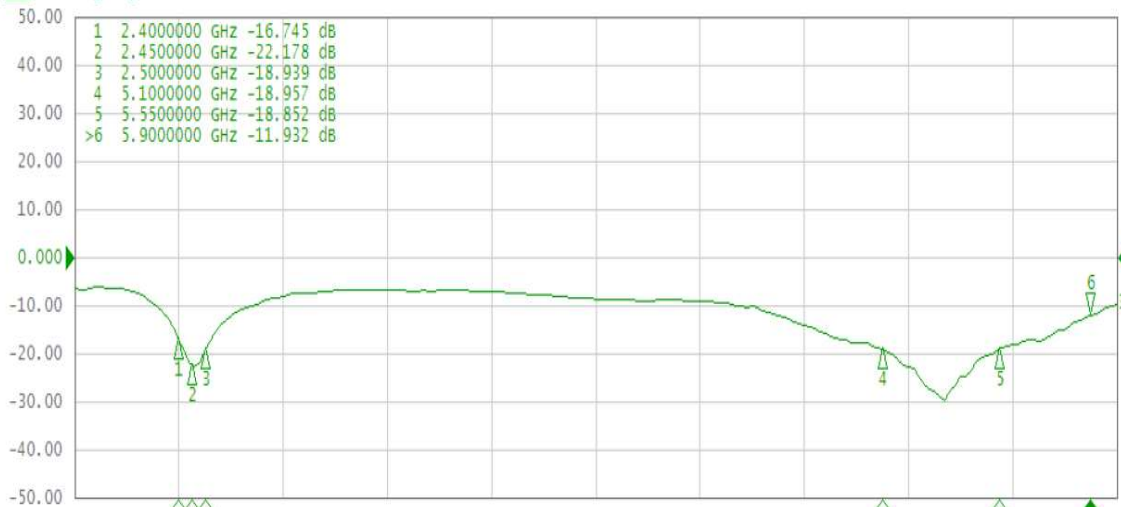
5150-5900MHz



Freq.	5100	5550	5900
Eff. (%)	78	75.6	71.9
P.G.	3.1	3.57	3.26

ELECTRICAL TEST

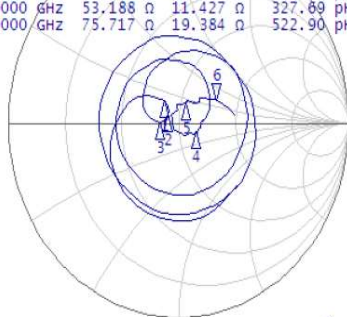
Return Loss ▶ Tr3 S11 Log Mag 10.00dB/ Ref 0.000dB [F2]



VSWR & SMITH CHART

Tr1 S11 Smith (R+jX) Scale 1.000U [F2]

Point	Freq (GHz)	R (Ω)	X (Ω)	SWR	Phase (pH)
1	2.400000	41.053	9.8712	654.61	pH
2	2.450000	44.019	3.9985	259.75	pH
3	2.500000	39.848	104.01 m	6.6212	pH
4	5.100000	61.228	-5.6238	5.5490	pF
5	5.550000	53.188	11.427	327.69	pH
>6	5.900000	75.717	19.384	522.90	pH



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.