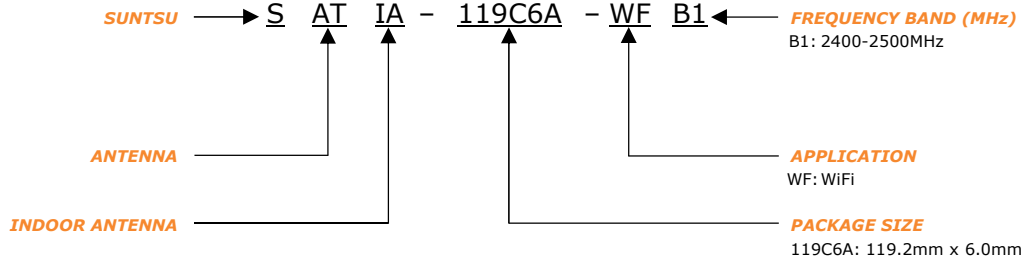


FEATURES	APPLICATIONS
<ul style="list-style-type: none"> <li>- WiFi / Bluetooth</li> <li>- Indoor Antenna</li> <li>- 50 Ohm Impedance</li> <li>- 2400-2500MHz</li> <li>- Omni Radiation</li> </ul>	<ul style="list-style-type: none"> <li>- Bluetooth &amp; IEEE 802.11a/b/g</li> <li>- Wireless Communication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



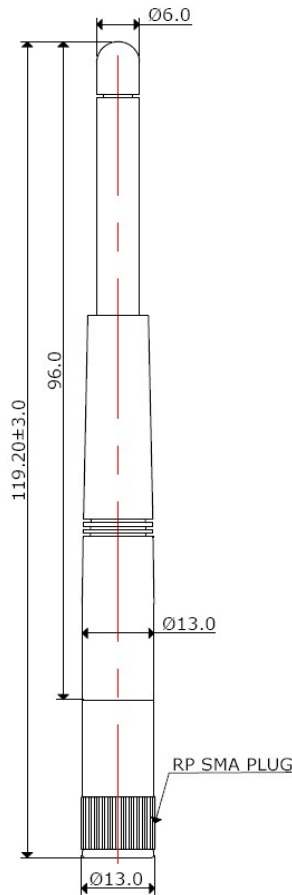
### PART NUMBERING GUIDE



\* 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	$\Omega$		50		
Polarization			Vertical		
Peak Gain	dBi		2.2		At 2450MHz
Efficiency	%		71		At 2450MHz
VSWR				2	At Center Frequency
Operating Temperature	°C	-20		65	

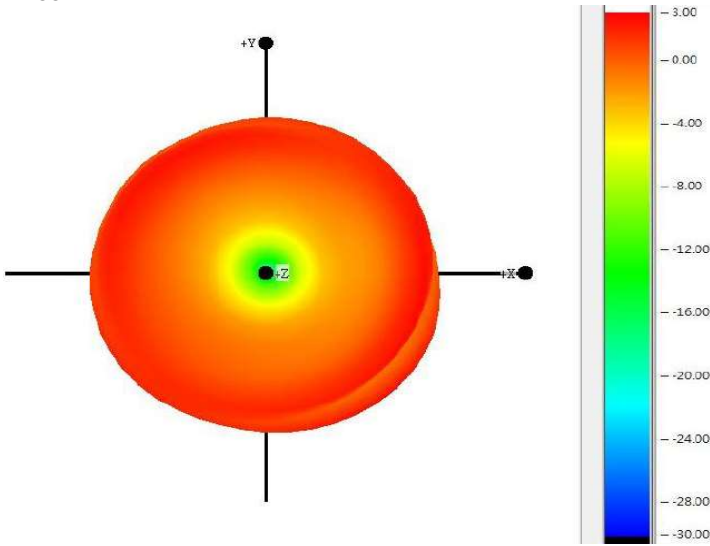
### OUTLINE DRAWING (NOTE: All dimensions are in millimeters [mm], unless otherwise noted. Drawings are not to scale.)



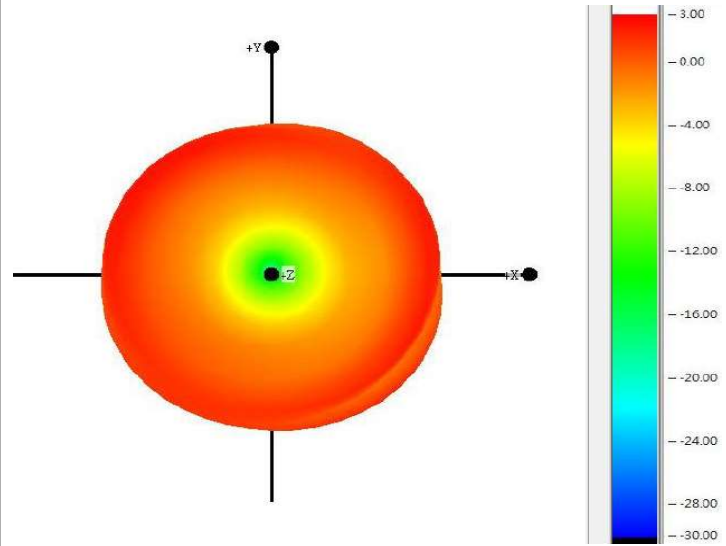
Item	Material
Whip	TPE
Connector	Brass
Connector Insulator	Teflon

**3D RADIATION PATTERN (UNIT: dBi)**

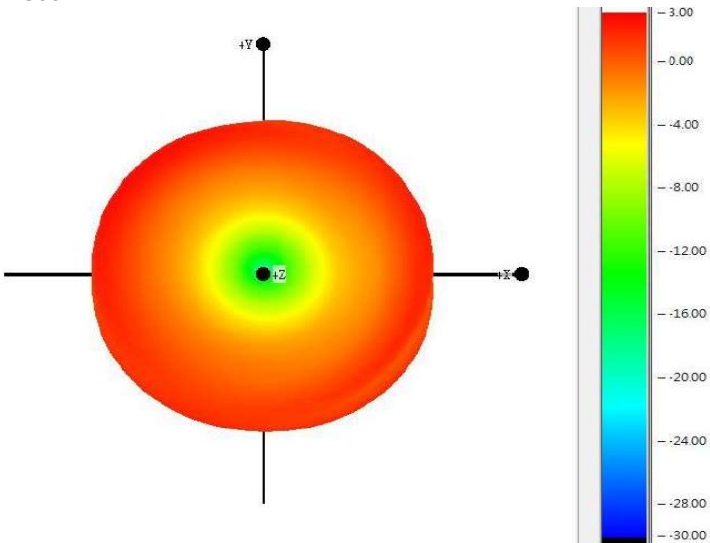
2400MHz



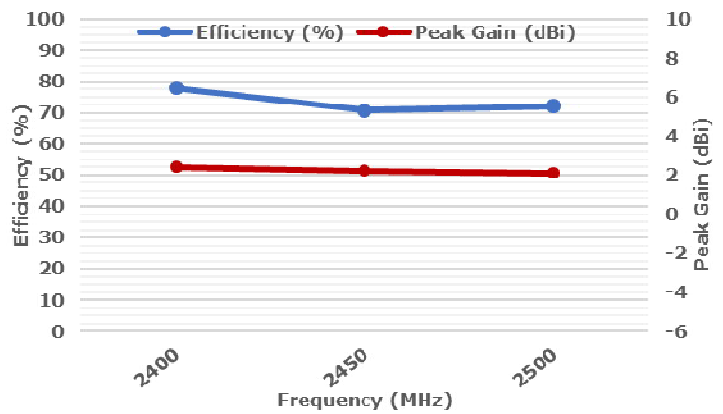
2450MHz



2500MHz



Efficiency v's Frequency

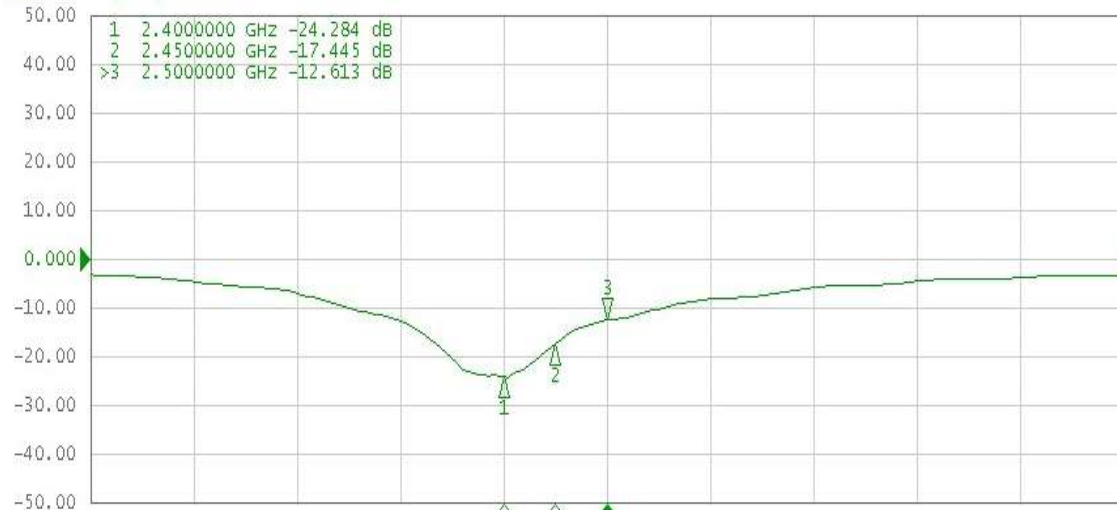


Freq.	2400	2450	2500
Eff. (%)	77.9	70.8	72.1
P.G.	2.41	2.22	2.1

**ELECTRICAL TEST**

Return Loss

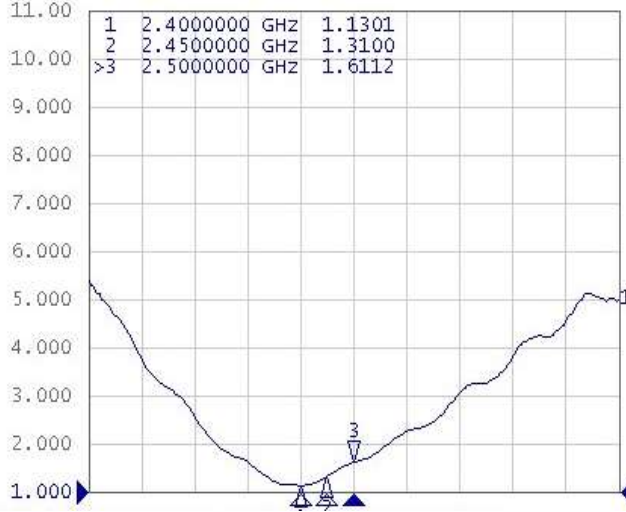
Tr3 511 Log Mag 10.00dB/ Ref 0.000dB [F2]



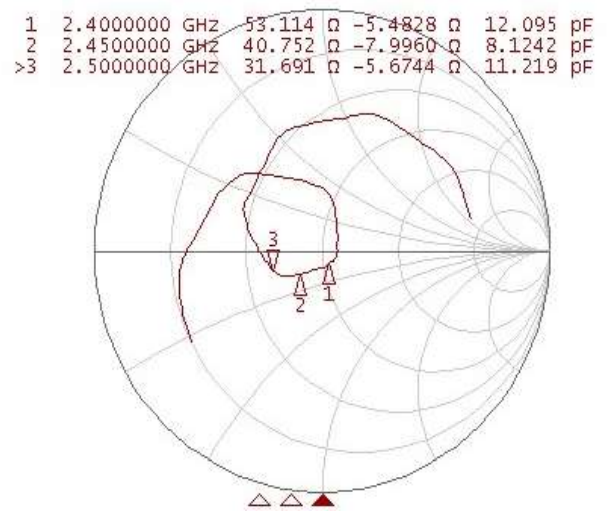
## ELECTRICAL TEST (CONT.)

### VSWR & Smith Chart

Tr1 S11 SWR 1.000/ Ref 1.000 [F2]



Tr2 S11 Smith (R+j)X Scale 1.000U [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.