
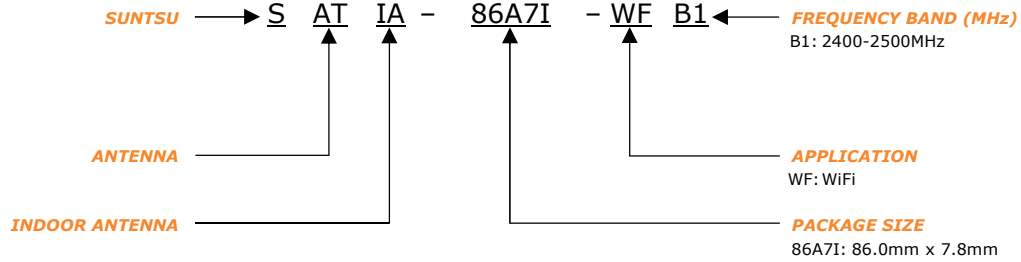


FEATURES	APPLICATIONS	
<ul style="list-style-type: none"> - WiFi / Bluetooth - Indoor Type - 50 Ohm Impedance - 2400-2500MHz - Omni Radiation 	<ul style="list-style-type: none"> - Bluetooth & IEEE 802.11a/b/g - Wireless Communication - Portable Device - Machine To Machine Communication - Network Devices 	

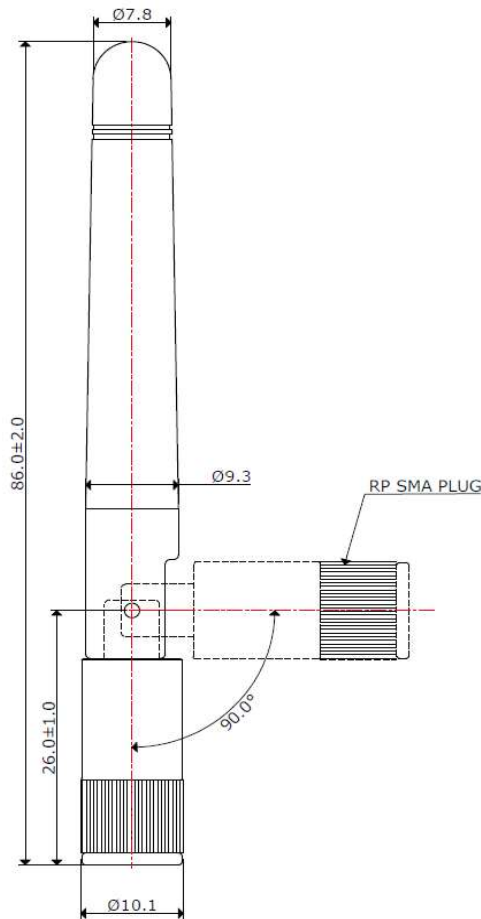
PART NUMBERING GUIDE



* 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		2.23		At 2450MHz
Efficiency	%		67		At 2450MHz
VSWR				2	At Center Frequency
Operating Temperature	°C	-20		65	

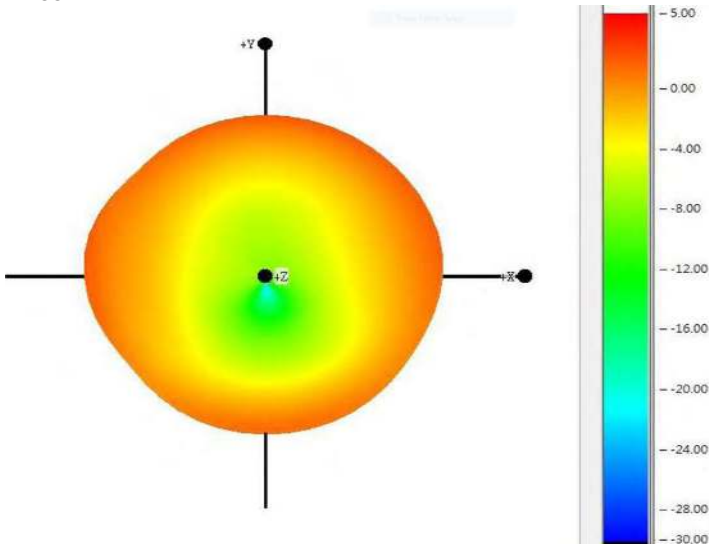
OUTLINE DRAWING (NOTE: All dimensions are in millimeters [mm], unless otherwise noted. Drawings are not to scale.)



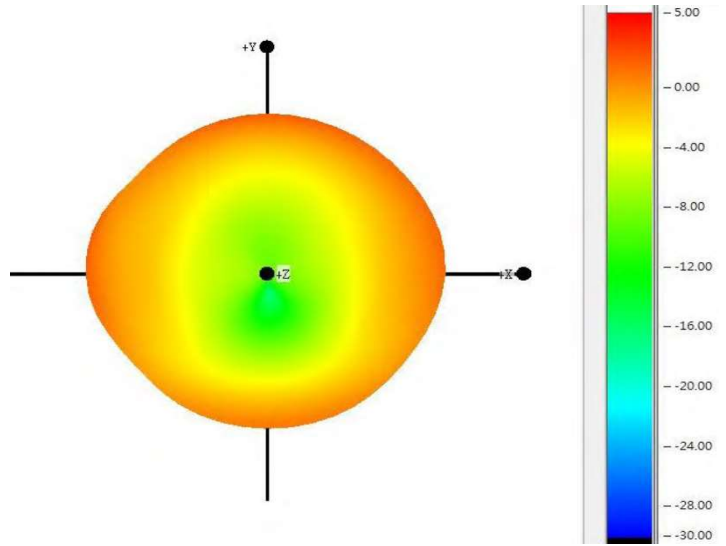
Item	Material
Whip	TPE55D
Connector	Brass
Connector Insulator	Teflon

3D RADIATION PATTERN (UNIT: dBi)

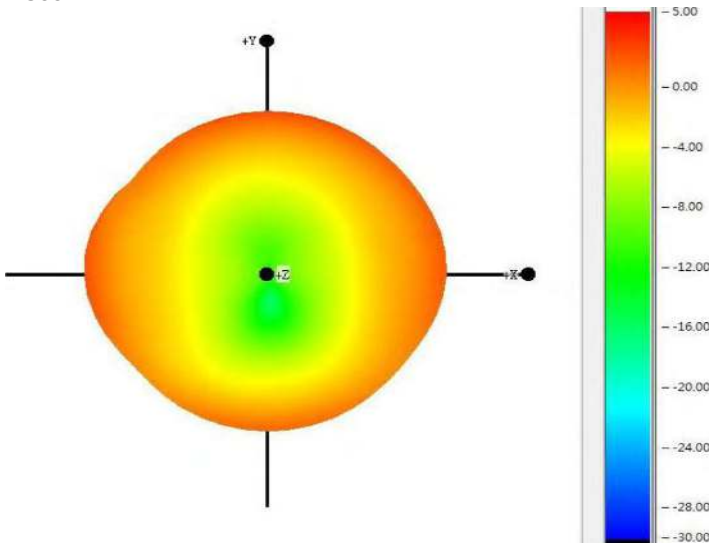
2400MHz



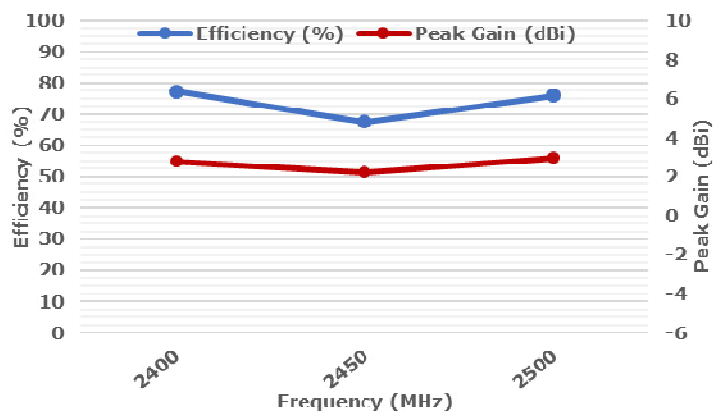
2450MHz



2500MHz



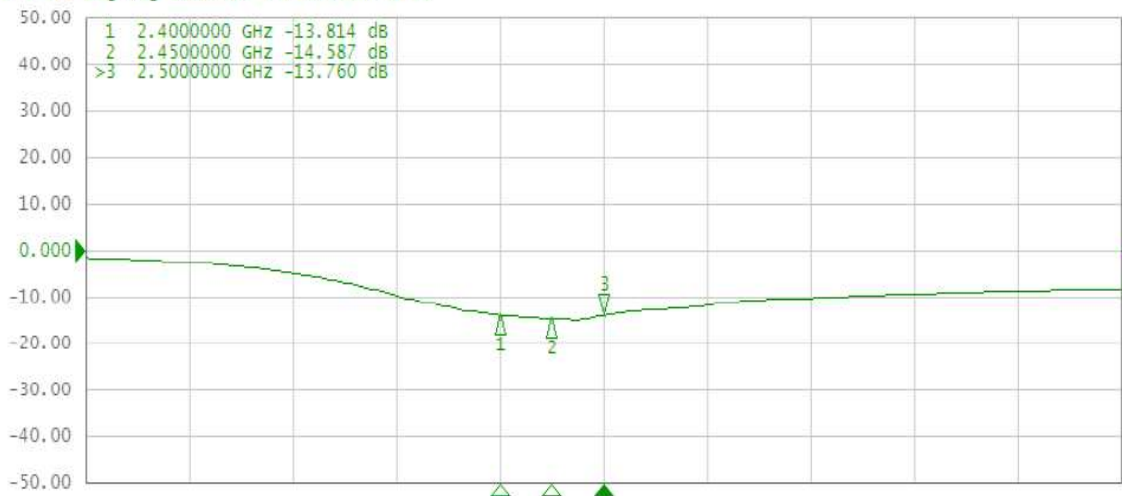
Efficiency v's Frequency



Freq.	2400	2450	2500
Eff. (%)	77.4	67.5	75.9
P.G.	2.79	2.23	2.95

ELECTRICAL TEST

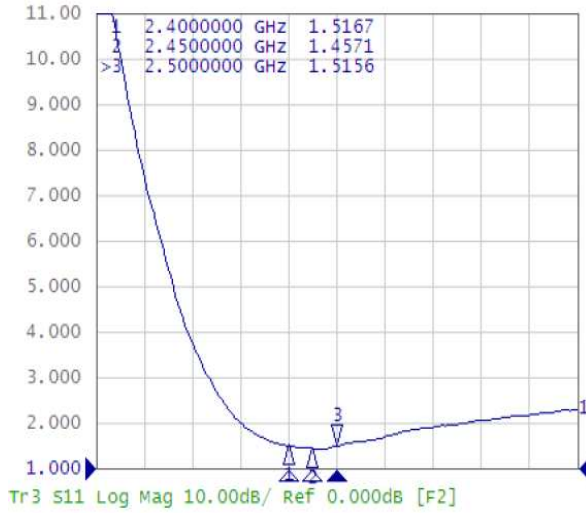
Return Loss Tr3 S11 Log Mag 10.00dB/ ReF 0.000dB [F2]



ELECTRICAL TEST (CONT.)

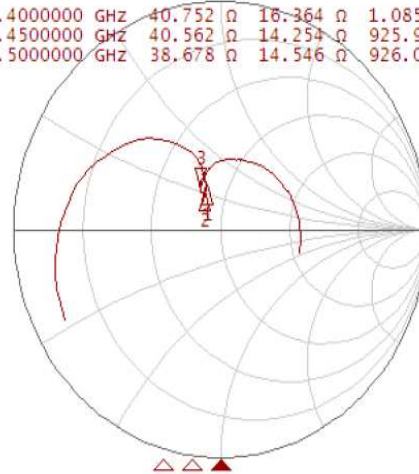
VSWR & Smith Chart

Tr1 S11 SWR 1.000/ Ref 1.000 [F2]



▶Tr2 S11 Smith (R+jX) scale 1.000U [F2]

Frequency (GHz)	R	X	Impedance (Ω)	Phase (pH)
1 2.4000000	40.752	16.364	1.0852 nH	
2 2.4500000	40.562	14.254	925.98 pH	
>3 2.5000000	38.678	14.546	926.03 pH	



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.