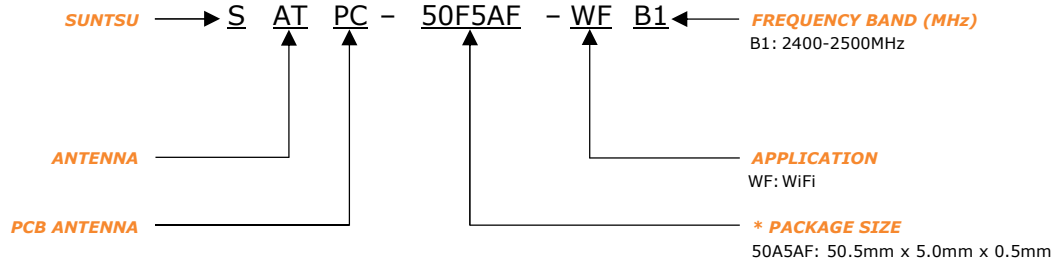


FEATURES	APPLICATIONS
<ul style="list-style-type: none"> - WiFi/Bluetooth - PCB Type - Stable And Reliable Performance - 2400-2500MHz - Compact Size With Efficient Reception 	<ul style="list-style-type: none"> - IEEE802.11 (b/g/n) - Hand-held Devices - Portable Devices - Network Devices - Machine To Machine Wireless



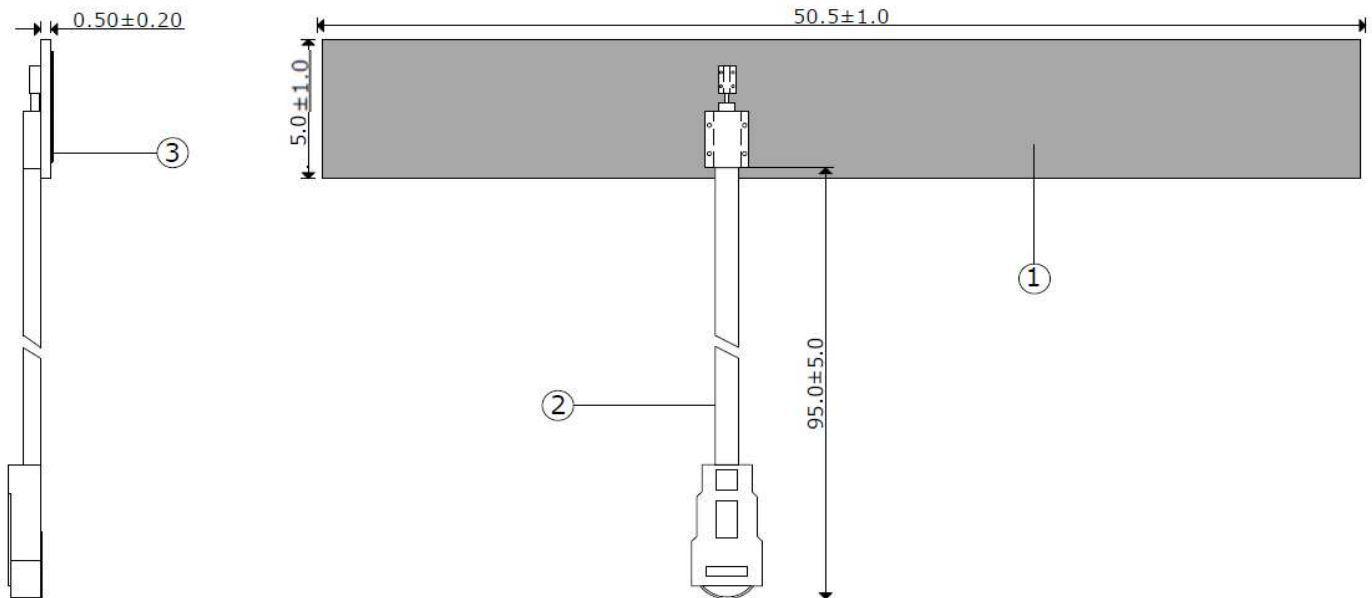
PART NUMBERING GUIDE



* 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			Linear		
Peak Gain	dBi		3.3		At 2442MHz
Efficiency	%		76		At 2442MHz
VSWR				2	At Center Frequency
Operating Temperature	°C	-40		85	

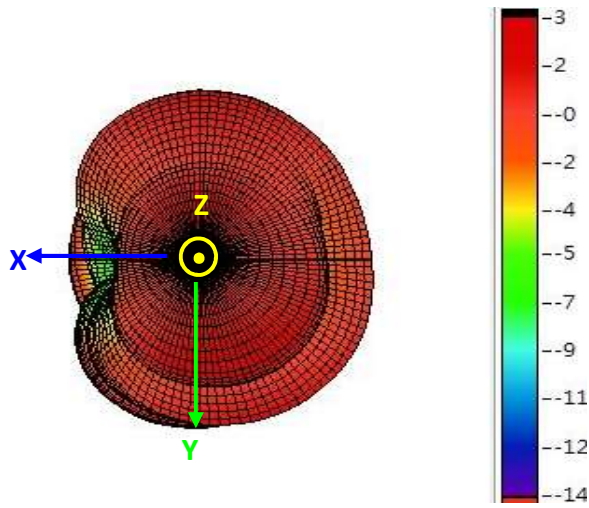
OUTLINE DRAWING (NOTE: All dimensions are in millimeters [mm], unless otherwise noted. Drawings are not to scale.)



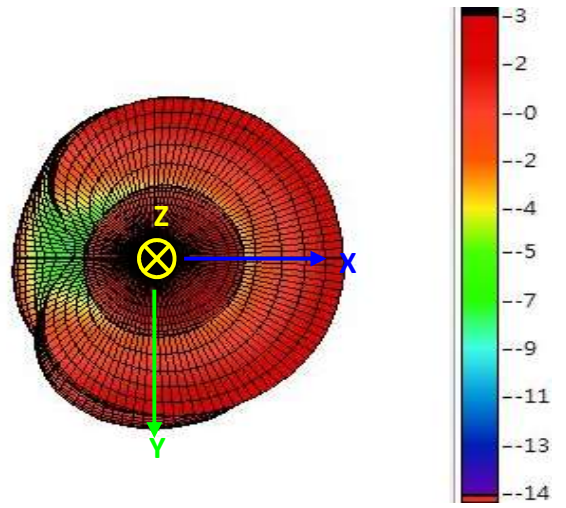
Item	Material
1	FR4 PCB
2	IPEX Connector and Cable with OD of 1.13
3	Adhesive Tape

3D RADIATION PATTERN (UNIT: dBi) AND EFFICIENCY vs FREQUENCY

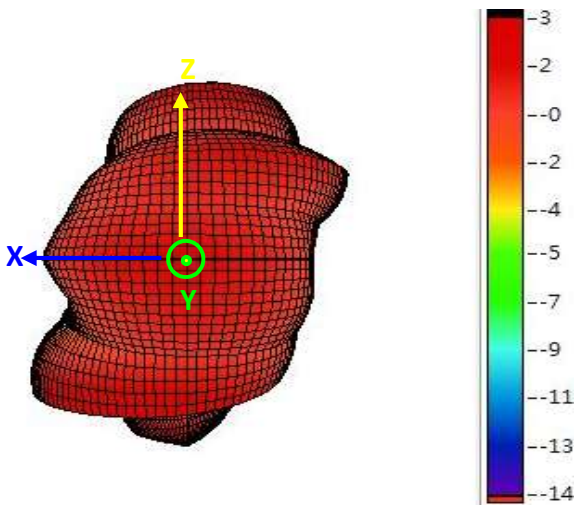
2442MHz



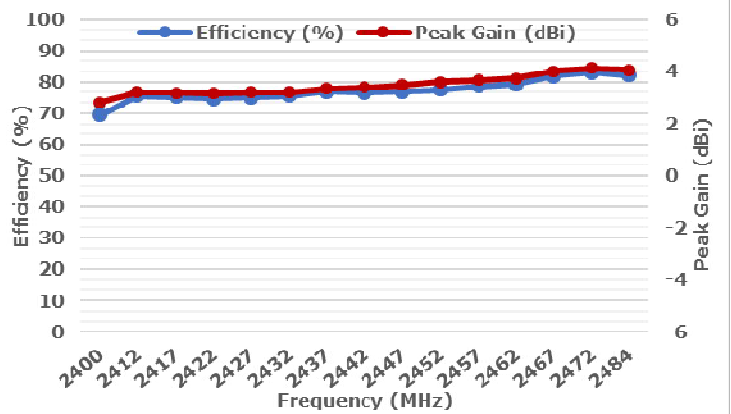
2442MHz



2442MHz



2442MHz



Freq.	2400	2412	2417	2422	2427	2432	2437	2442	2447	2452	2457	2462	2467	2472	2484
Eff. (%)	69.5	75.7	75.2	74.6	75	75.7	76.91	76.56	76.9	77.6	78.7	79.3	81.9	83.2	82
P.G.	2.81	3.2	3.18	3.17	3.21	3.22	3.35	3.39	3.48	3.6	3.66	3.73	4.02	4.13	4.06

ELECTRICAL TEST

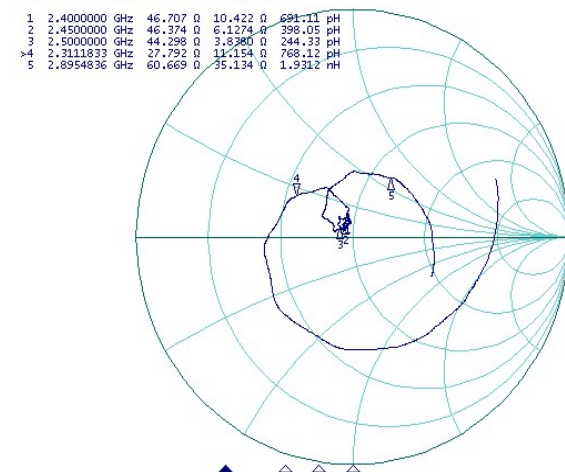
RETURN LOSS

S11 Log Mag 10.00dB/ Ref 0.000dB [F1]



VSWR

S11 Smith (R+jX) Scale 1.000U [F1]



ENVIRONMENTAL & MECHANICAL SPECIFICATIONS

High Temperature Test	85°C for 500 hours, and then to normal temperature/humidity for 24hours.
Low Temperature Test	-30°C for 500 hours, and then to normal temperature/humidity for 24hours.
Humidity Test	85°C / 90-95% for 96 hours, and then to normal temperature/humidity for 24hours.
Thermal Shock Test	-30°C for 30 min and +85°C for 30 min. 5 cycles, then expose to normal temperature/humidity for 24 hours or more.
Vibration Test	5 to 200 to 5Hz, swept in 10min, 4.5G at max(2mm amplitude), in X and Y directions for 2 hours each and in Z direction for 4 hours.