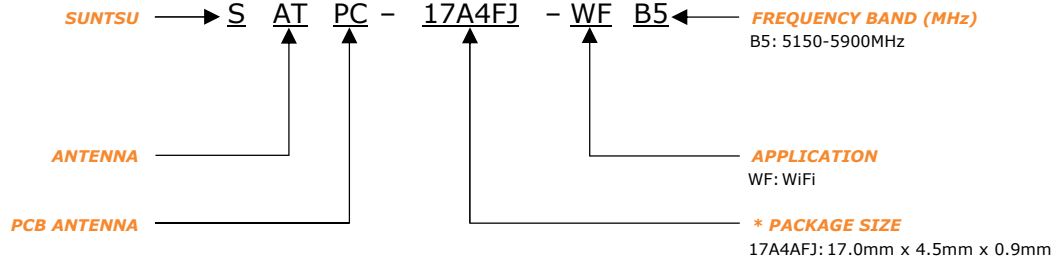


FEATURES	APPLICATIONS
<ul style="list-style-type: none"> - WiFi - PCB Type - Stable And Reliable Performance - 5150-5900MHz - Compact Size With Efficient Reception 	<ul style="list-style-type: none"> - IEEE802.11a - HDMI 5GHz Band - Portable Devices - Network Devices - Machine To Machine Wireless



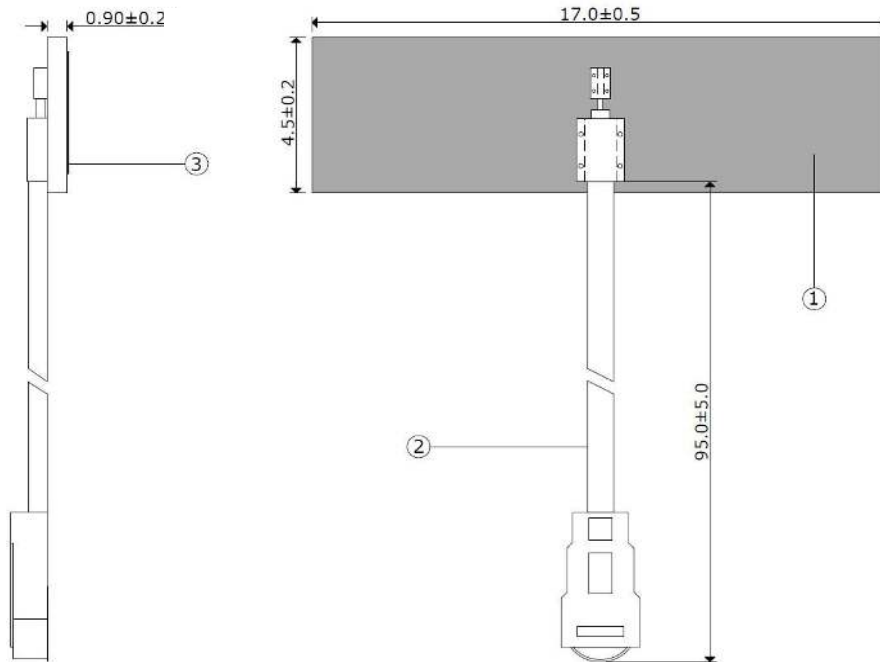
PART NUMBERING GUIDE



* 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	5150		5900	
Impedance	Ω		50		
Polarization			Linear		
Peak Gain	dBi		2.8		At 5350MHz
Efficiency	%		82		At 5350MHz
VSWR				2	At Center Frequency
Operating Temperature	°C	-40		85	

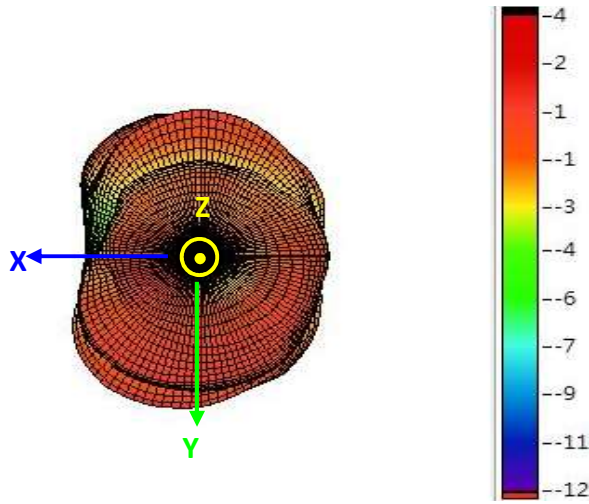
OUTLINE DRAWING (NOTE: All dimensions are in millimeters [mm], unless otherwise noted. Drawings are not to scale.)



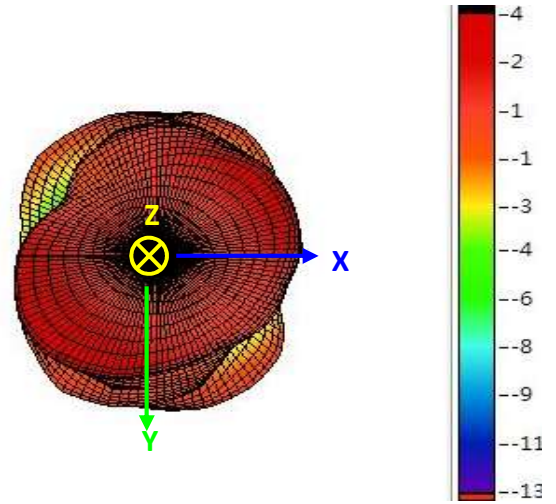
Item	Material
1	FR4 PCB
2	IPEX Connector and Cable with OD of 1.13
3	Adhesive Tape

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

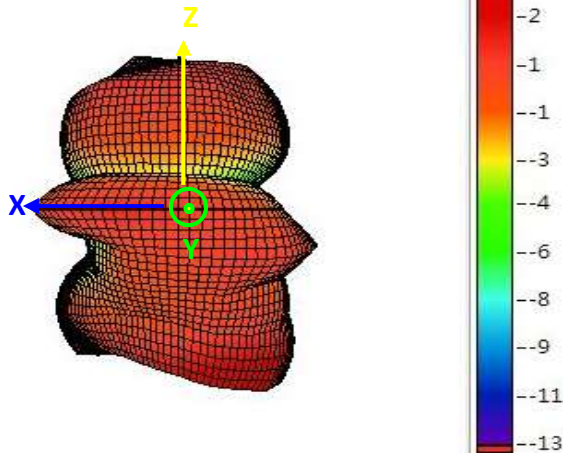
5150MHz



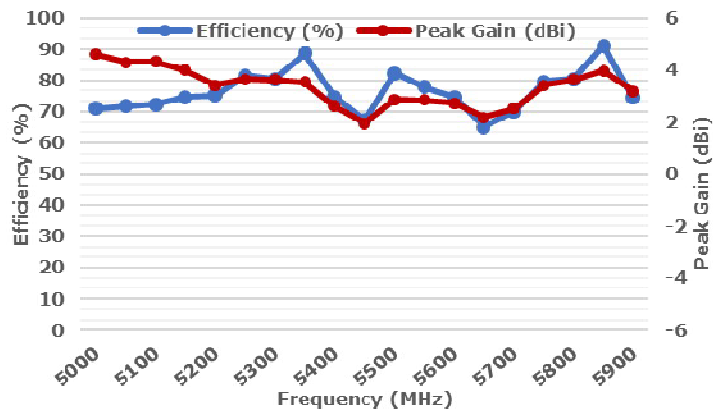
5150MHz



5150MHz

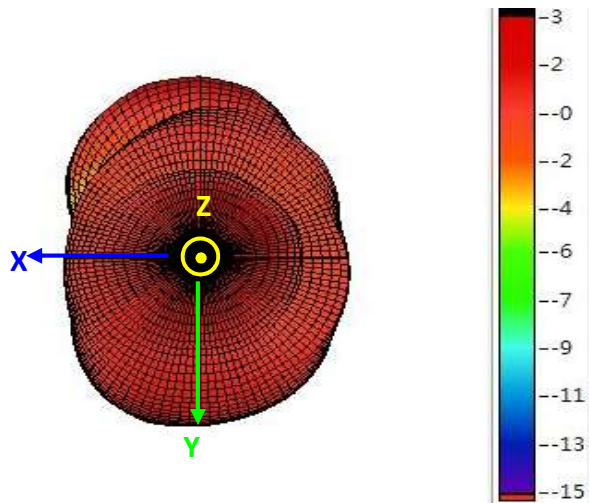


5150MHz

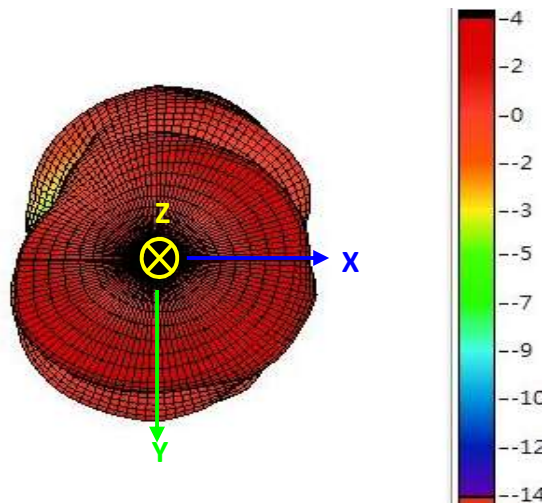


Freq.	5000	5050	5100	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650	5700	5750	5800	5850	5900
Eff. (%)	71	71.8	72.3	74.6	75.2	81.5	80.35	88.72	74.6	67.1	82.4	78	74.6	65	70	79.6	80.4	91.2	74.5
P.G.	4.59	4.29	4.32	4	3.42	3.65	3.62	3.53	2.61	1.94	2.87	2.84	2.72	2.18	2.51	3.42	3.63	3.98	3.18

5350MHz

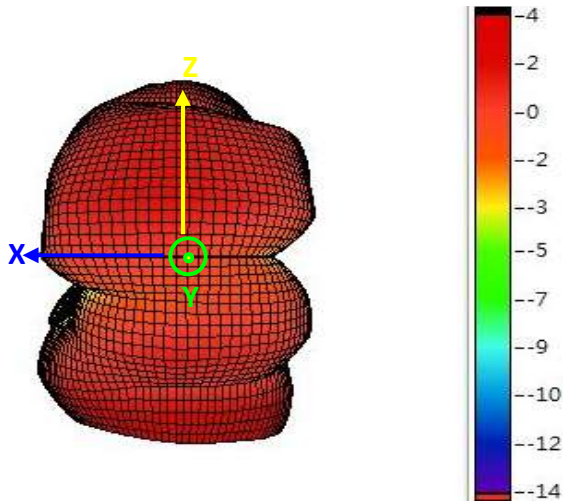


5350MHz

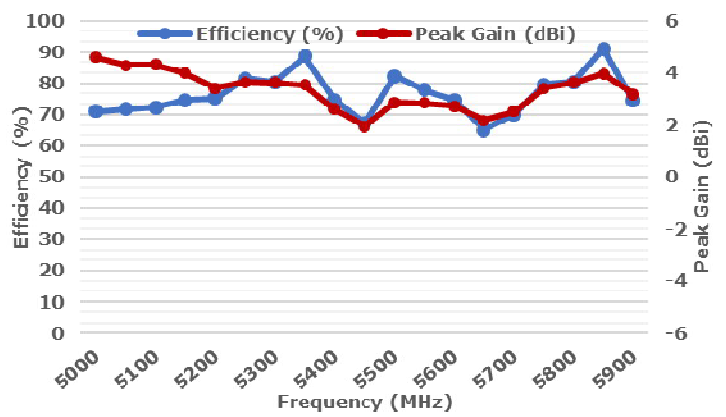


3D RADIATION PATTERN (UNIT: dBi) AND EFFICIENCY vs FREQUENCY

5350MHz

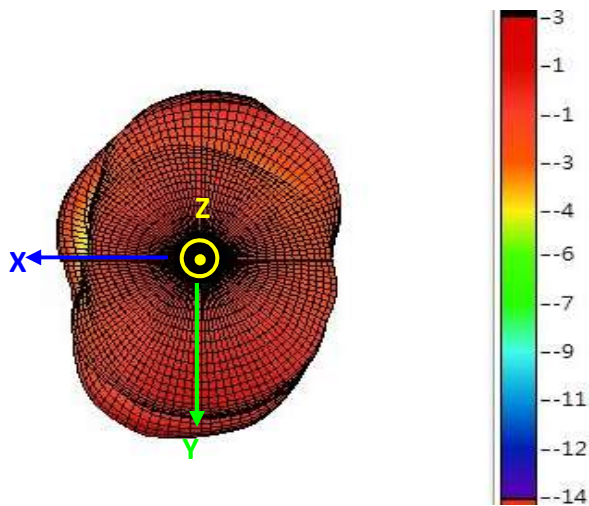


5350MHz

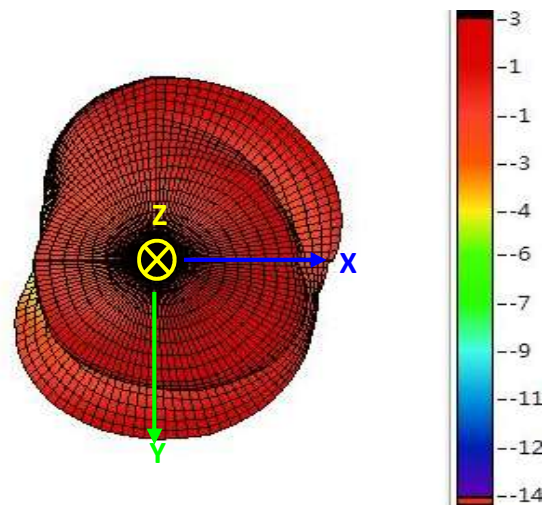


Freq.	5000	5050	5100	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650	5700	5750	5800	5850	5900
Eff. (%)	71	71.8	72.3	74.6	75.2	81.5	80.35	88.72	74.6	67.1	82.4	78	74.6	65	70	79.6	80.4	91.2	74.5
P.G.	4.59	4.29	4.32	4	3.42	3.65	3.62	3.53	2.61	1.94	2.87	2.84	2.72	2.18	2.51	3.42	3.63	3.98	3.18

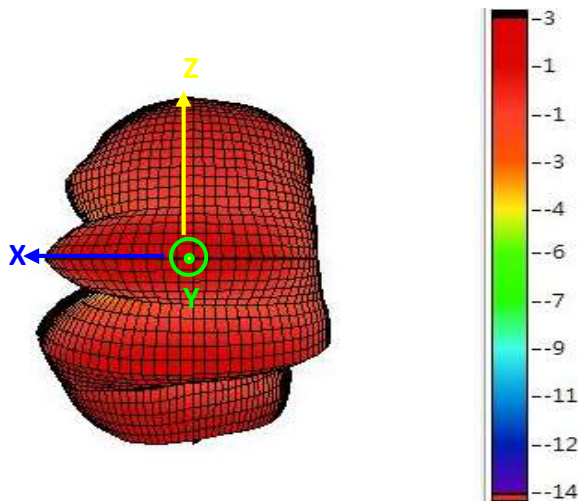
5700MHz



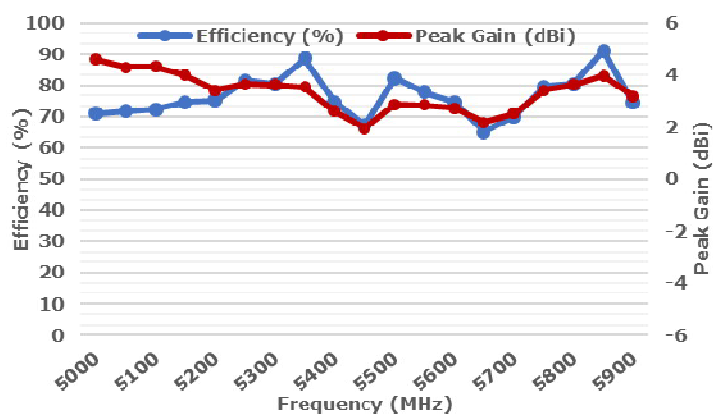
5700MHz



5700MHz

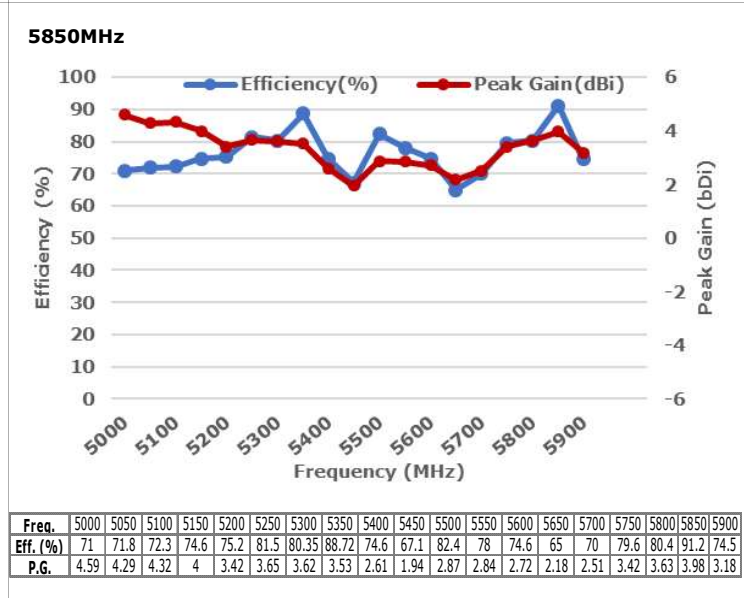
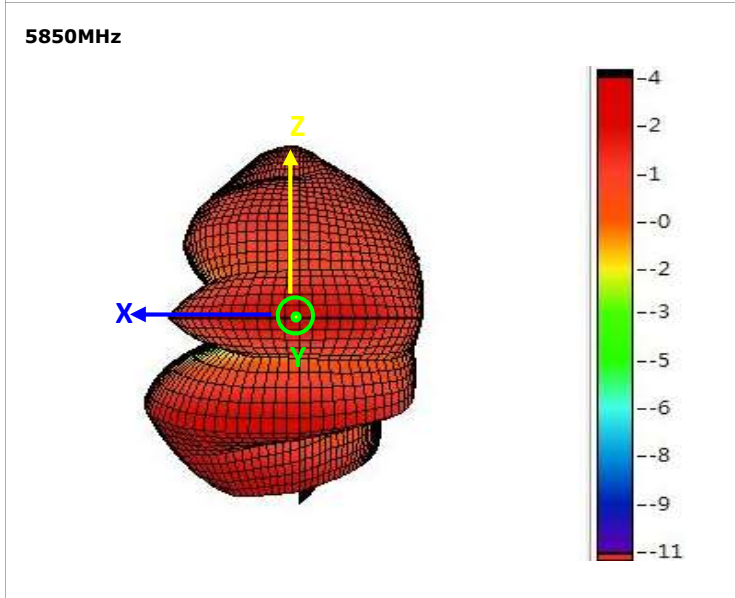
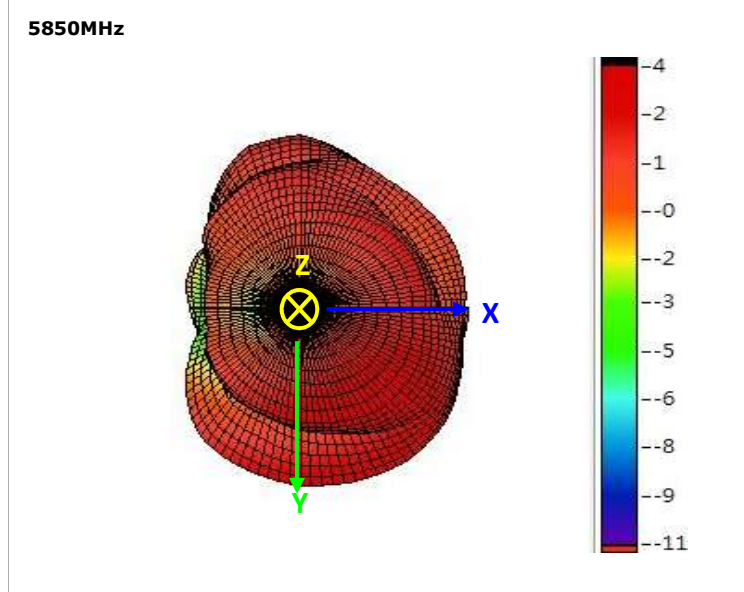
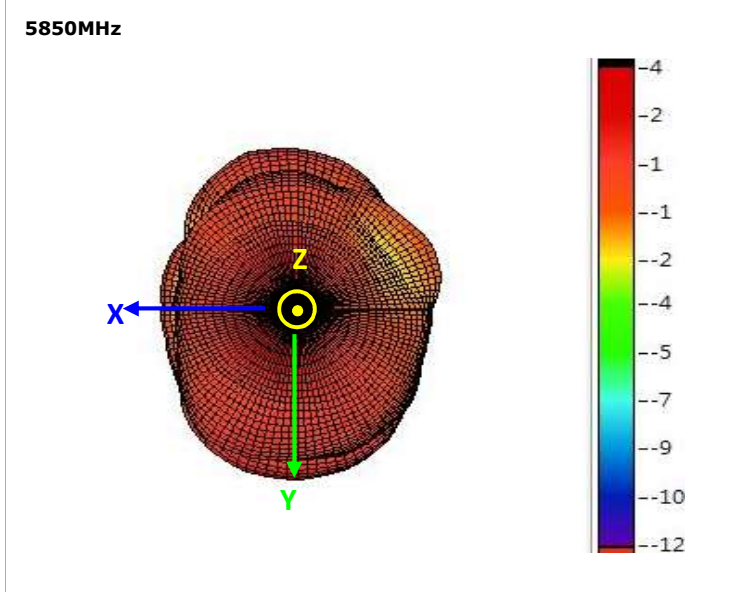


5700MHz

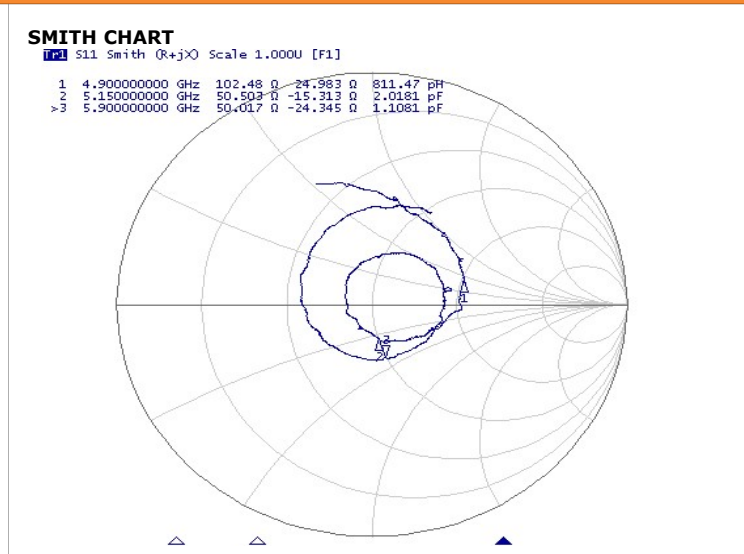
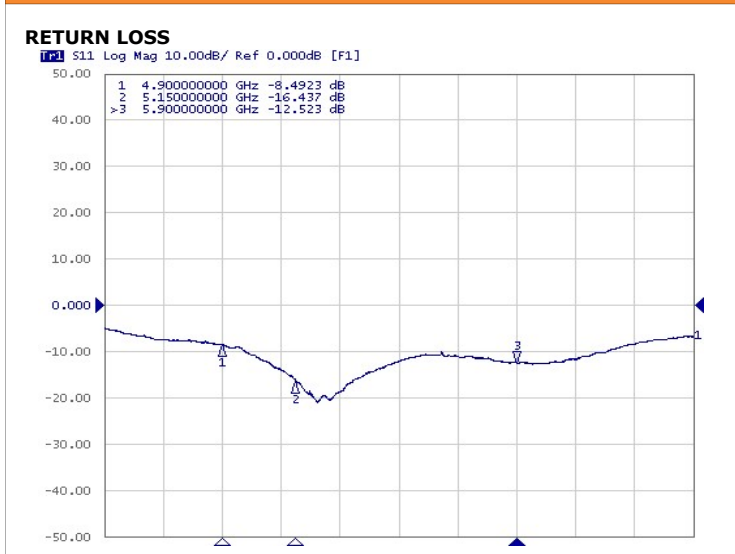


Freq.	5000	5050	5100	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650	5700	5750	5800	5850	5900
Eff. (%)	71	71.8	72.3	74.6	75.2	81.5	80.35	88.72	74.6	67.1	82.4	78	74.6	65	70	79.6	80.4	91.2	74.5
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3D RADIATION PATTERN (UNIT: dBi) AND EFFICIENCY vs FREQUENCY



ELECTRICAL TEST



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.