
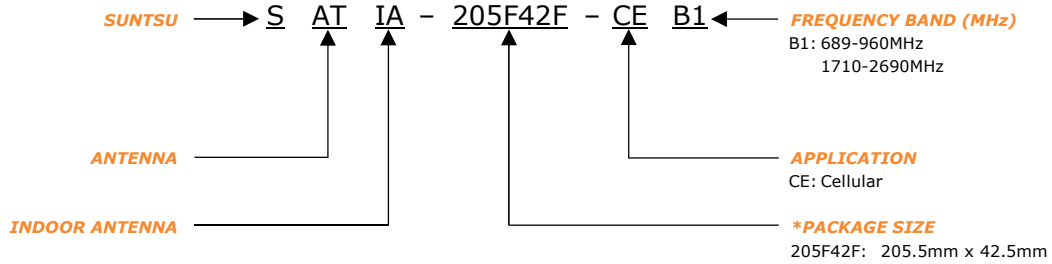


FEATURES	APPLICATIONS	
<ul style="list-style-type: none"> - LTE/4G - Indoor Antenna - 50 Ohm Impedance - 689-960MHz & 1710-2690MHz - Omni Radiation 	<ul style="list-style-type: none"> - LTE/4G Modem - Automotive Sensors - Smart Devices - Machine To Machine Wireless Communication - Mobile Systems 	

PART NUMBERING GUIDE

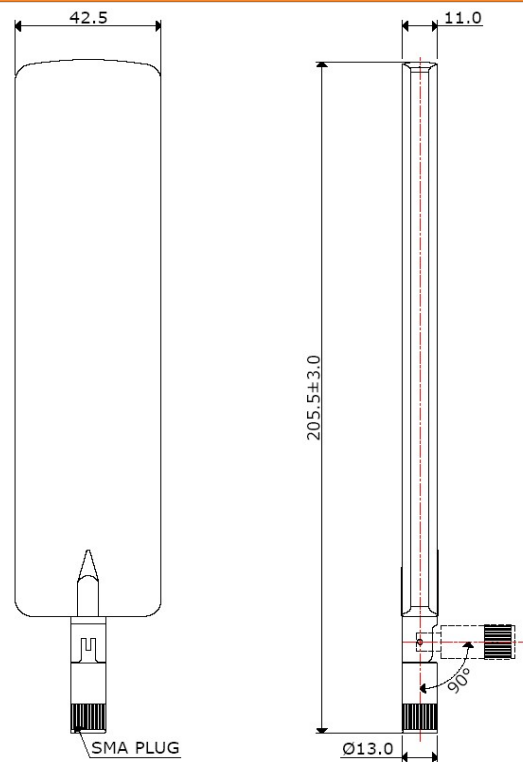


* Where letters denote decimal location A=.0, B=.1, C=.2, etc. Ex: B5=0.15, 3A5=3.05, 9A=9.0
To customize your parameters, contact a Suntsu representative.

ELECTRICAL PARAMETERS (At 25°C)	UNITS	MIN.	TYP.	MAX	REMARKS
Frequency Band	MHz	698		960	
Impedance	Ω		50		
Polarization			Vertical		
Peak Gain	dBi		2.3		At 791MHz
Efficiency	%		62		At 791MHz
VSWR				3.5	At Center Frequency
Operating Temperature	°C	-20		65	
Frequency Band	MHz	1710		2690	
Impedance	Ω		50		
Polarization			Vertical		
Peak Gain	dBi		2.6		At 2170MHz
Efficiency	%		63		At 2170MHz
VSWR				3.5	At Center Frequency
Operating Temperature	°C	-20		65	

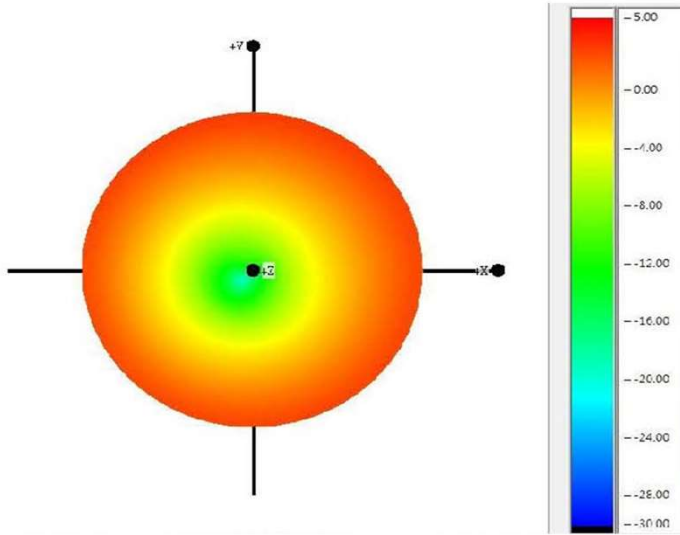
OUTLINE DRAWING (NOTE: All dimensions are in millimeters [mm], unless otherwise noted. Drawings are not to scale.)

Item	Material
Whip	ABS
Connector	Brass
Connector Insulator	Teflon

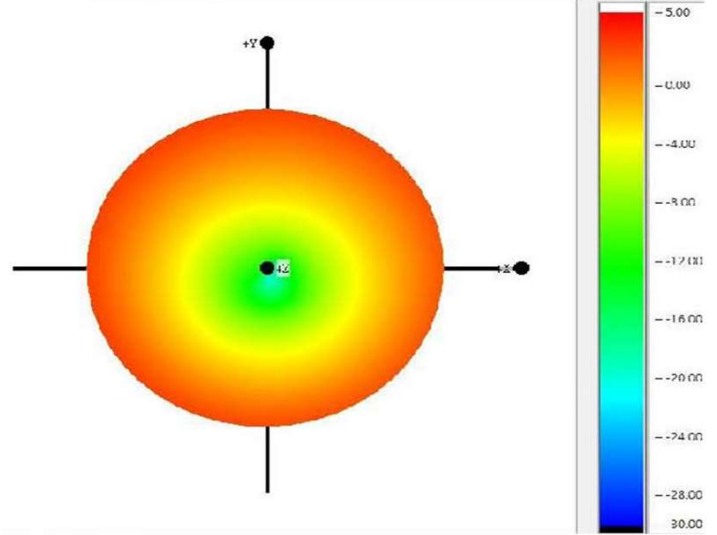


3D RADIATION PATTERN (UNIT: dBi)

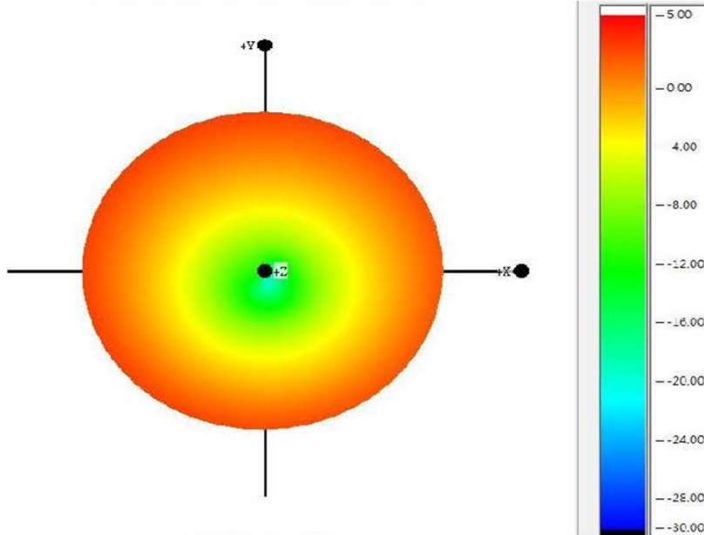
698MHz



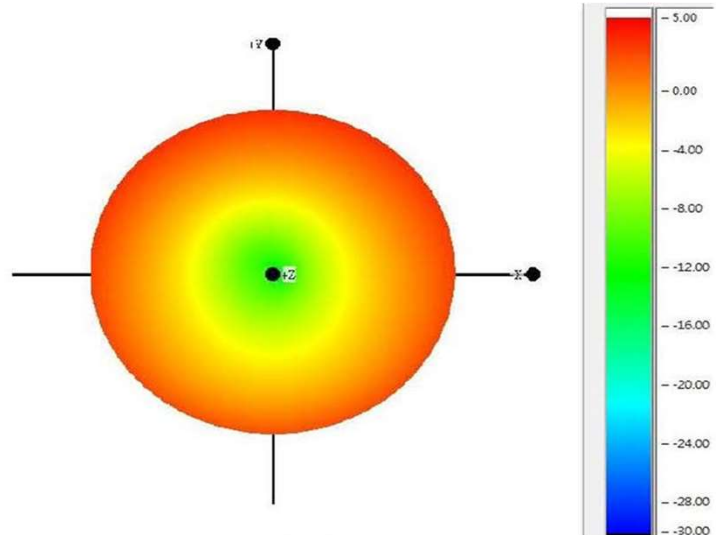
704MHz



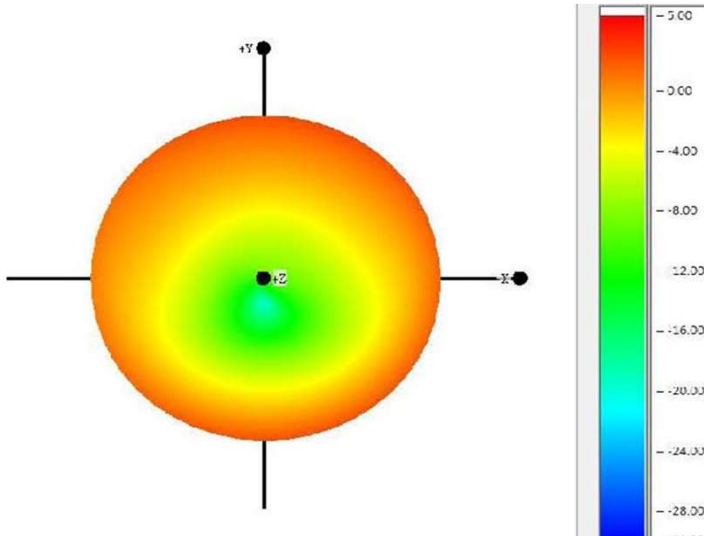
787MHz



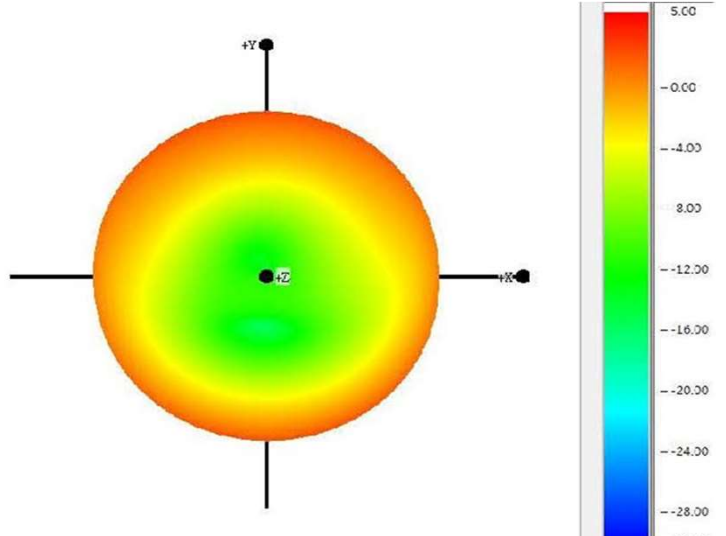
791MHz



824MHz

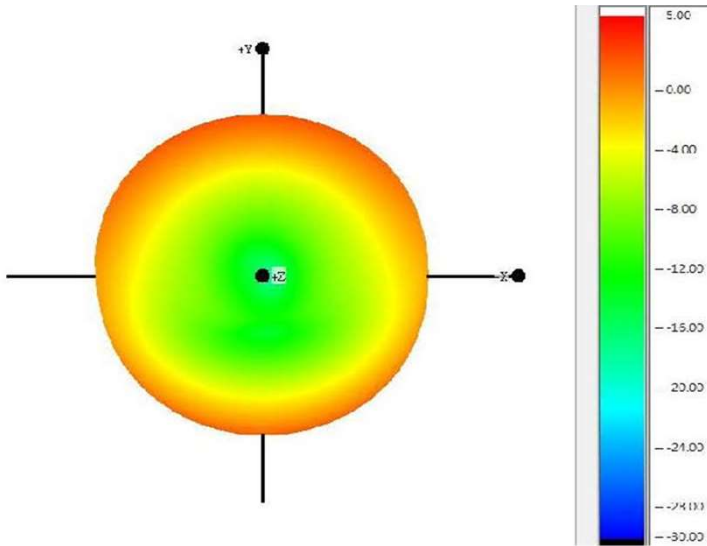


896MHz

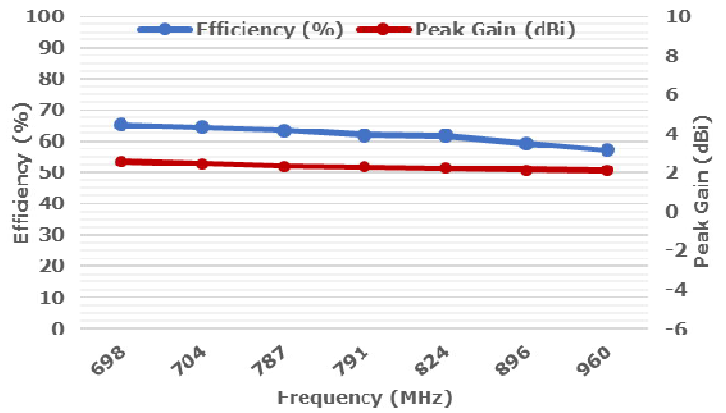


3D RADIATION PATTERN (UNIT: dBi) CONT.

960MHz

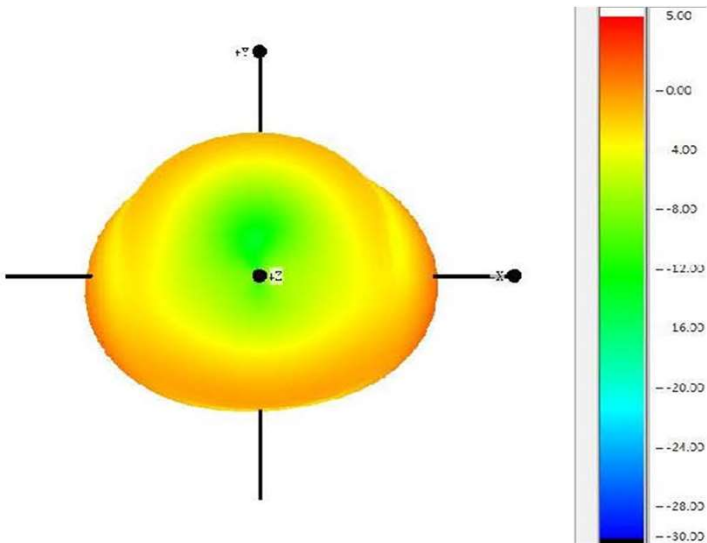


698-960MHz

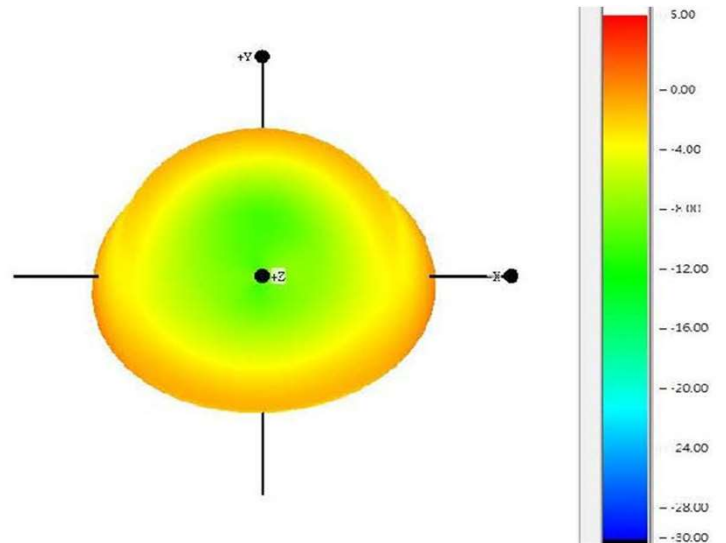


Freq.	698	704	787	791	824	896	960
Eff. (%)	65.2	64.4	63.6	61.9	61.8	59.2	57.17
P.G.	2.58	2.45	2.31	2.28	2.22	2.14	2.11

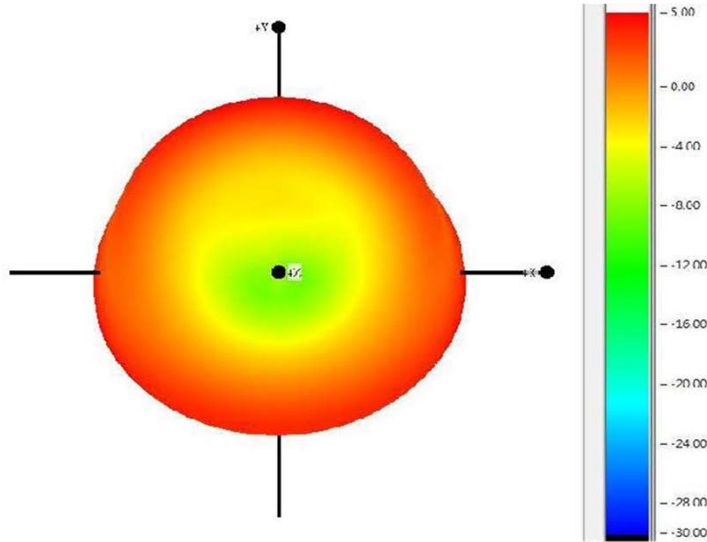
1710MHz



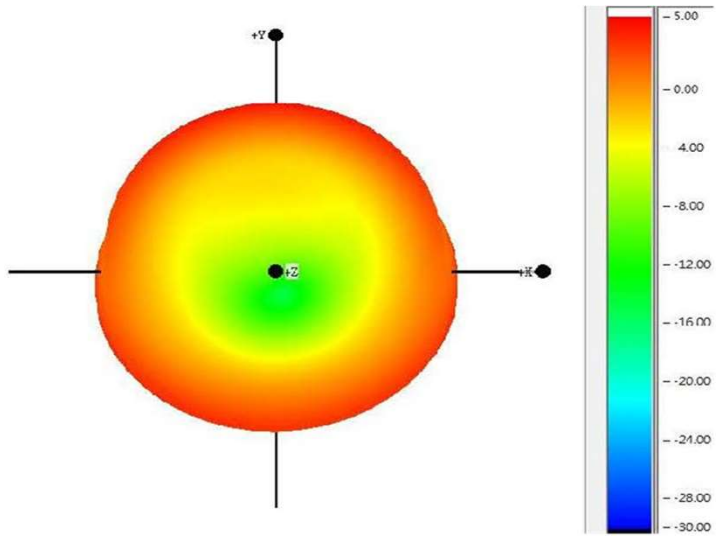
1850MHz



1880MHz

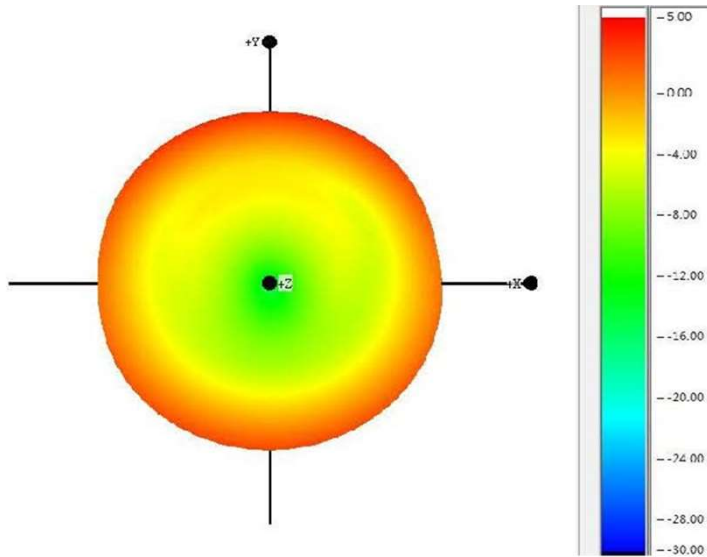


1990MHz

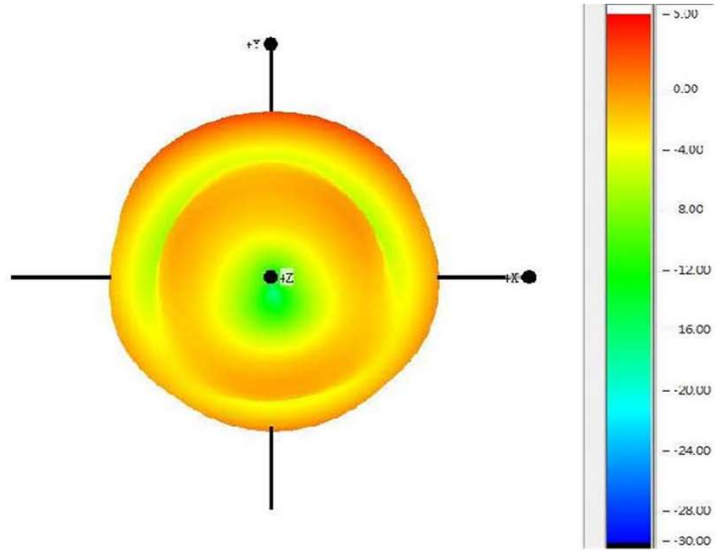


3D RADIATION PATTERN (UNIT: dBi) CONT.

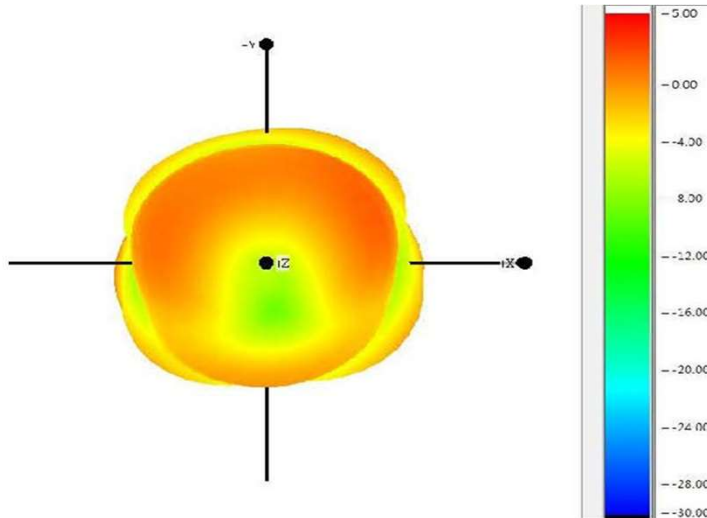
2170MHz



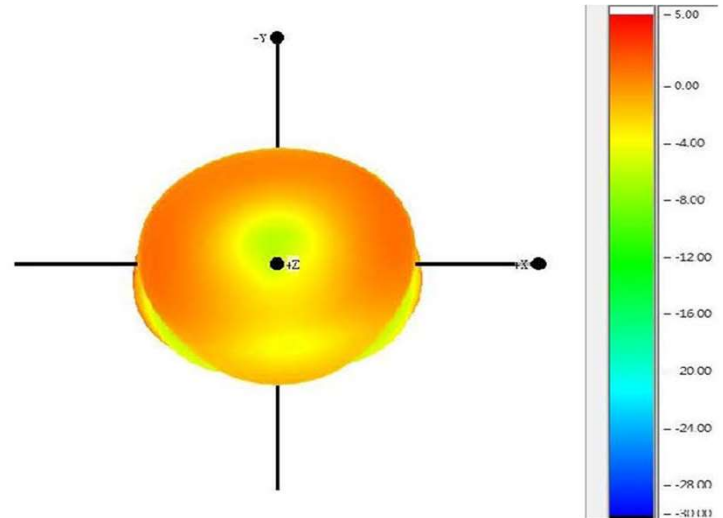
2300MHz



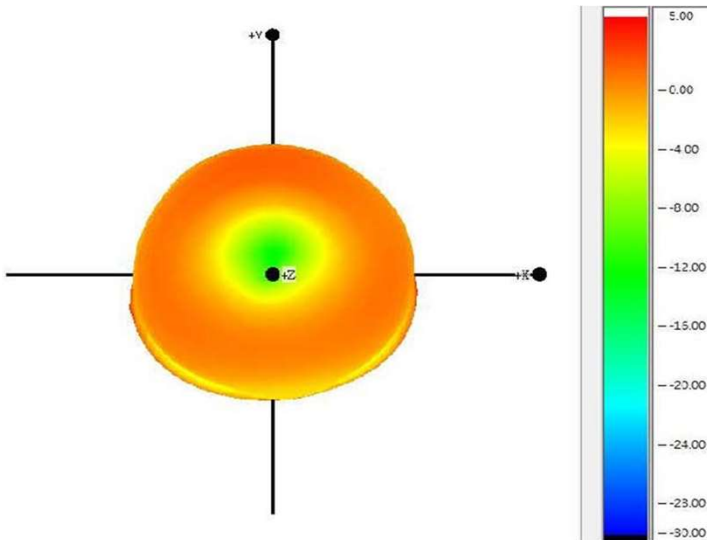
2400MHz



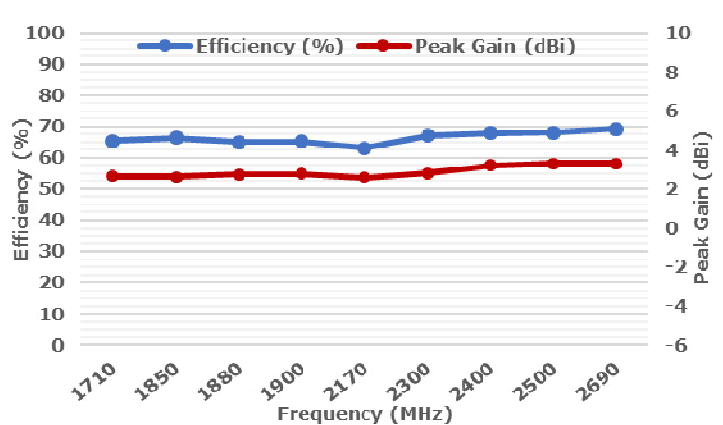
2500MHz



2690MHz



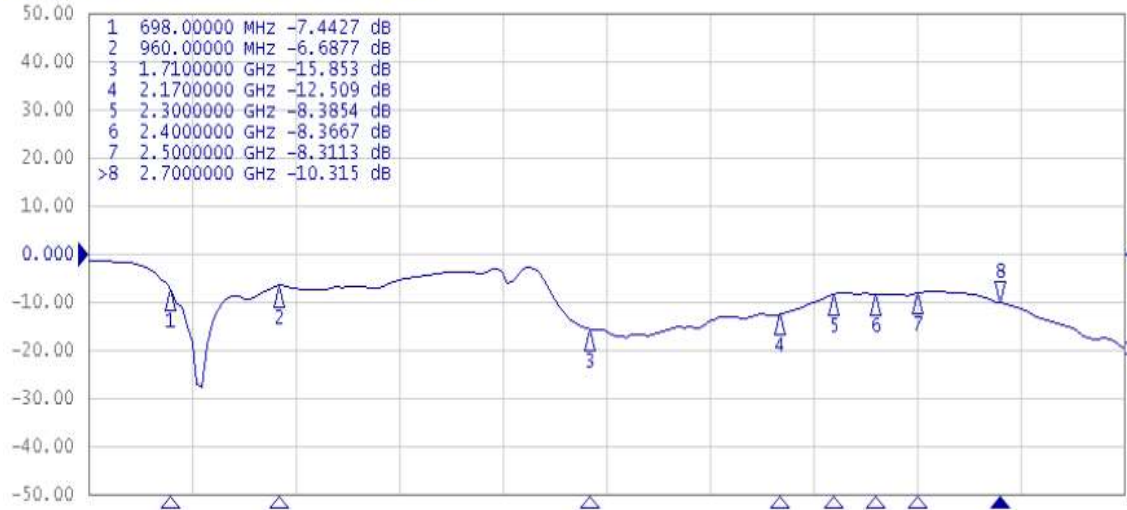
1710-2690MHz



Freq.	1710	1850	1880	1900	2170	2300	2400	2500	2690
Eff. (%)	65.4	66.3	65.1	65.2	63.2	67.1	67.93	68.20	69.3
P.G.	2.66	2.62	2.75	2.78	2.61	2.81	3.2	3.29	3.31

ELECTRICAL TEST

Return Loss Tr1 S11 Log Mag 10.00dB/ Ref 0.00dB [F2]



VSWR

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.