

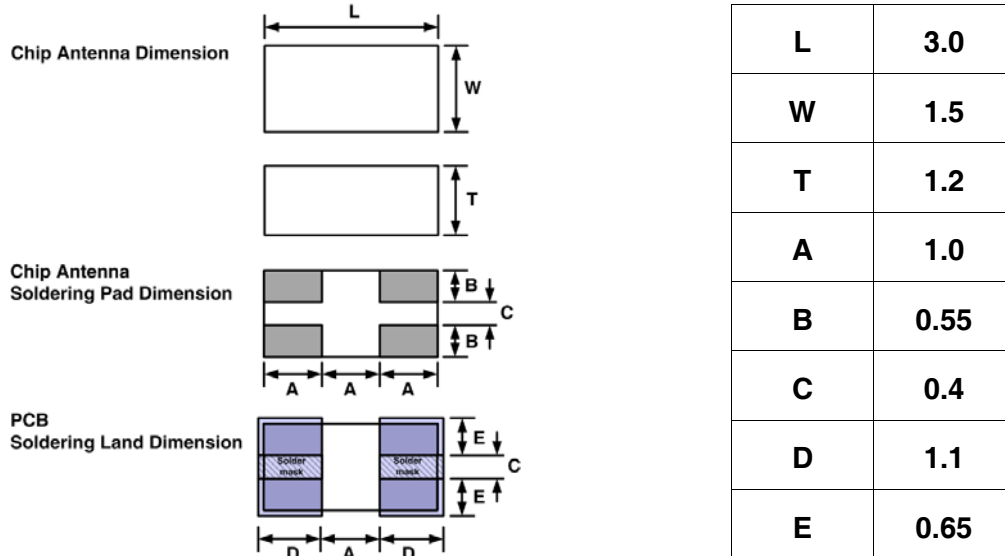
Dielectric Chip Antenna



■ P/N : SDBTPTR3015

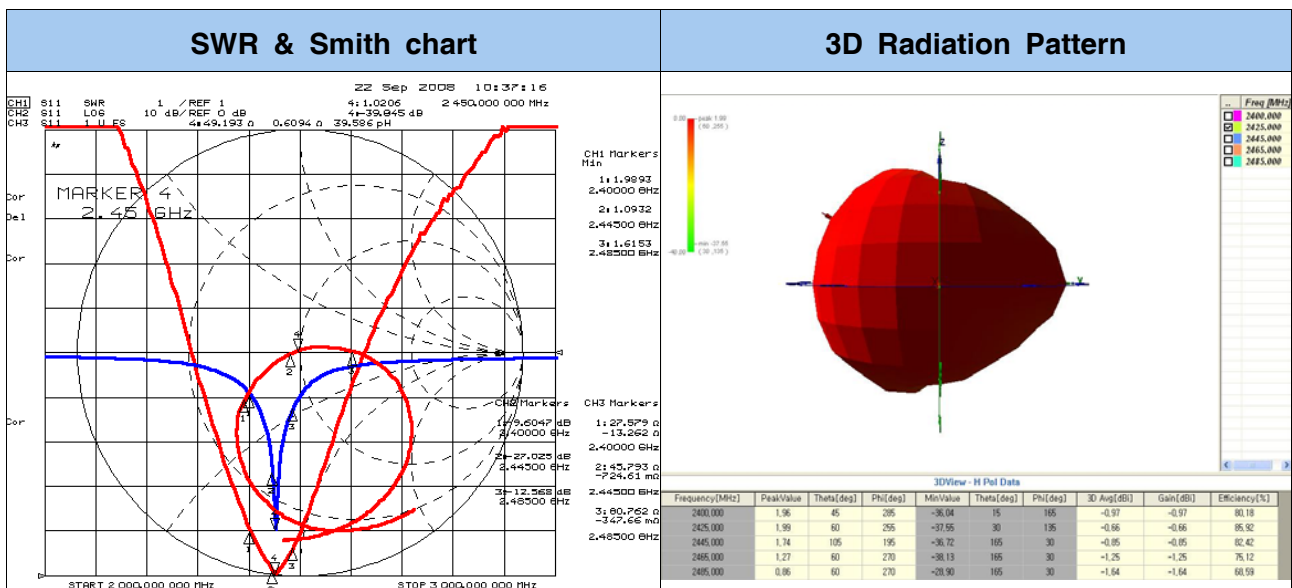
This specification covers the dielectric chip antenna SDBTPTR3015 used in Bluetooth

■ MECHANICAL DIMENSION (unit : mm, tolerance : ± 0.1)



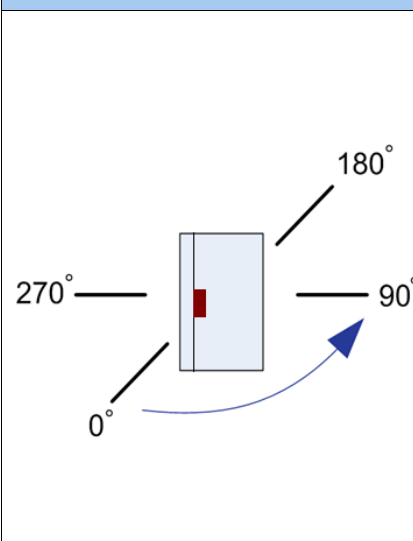
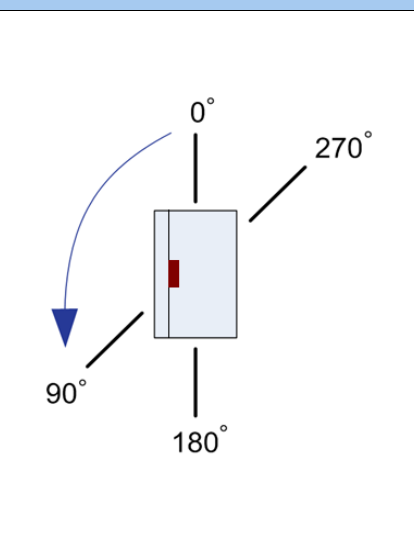
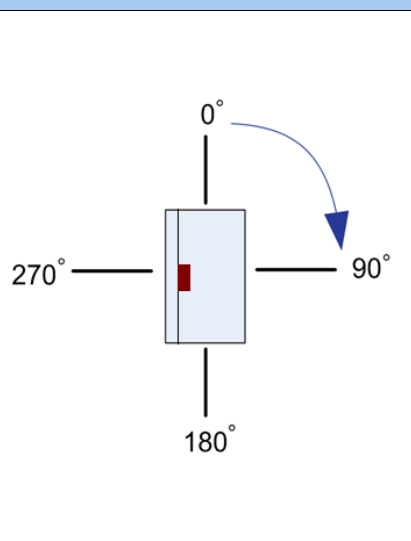
■ ELECTRICAL CHARACTERISTICS

ITEM		SPECIFICATION				
Frequency Range		2400 ~ 2485 MHz				
VSWR		3:1 Max				
Polarization		Linear				
Frequency [MHz]		2400	2425	2445	2465	2485
Gain [dBi]	Peak	1.96	1.99	1.74	1.27	0.86
	Average	-0.97	-0.66	-0.85	-1.25	-1.64
Efficiency [%]		80.18	85.92	82.42	75.12	68.59

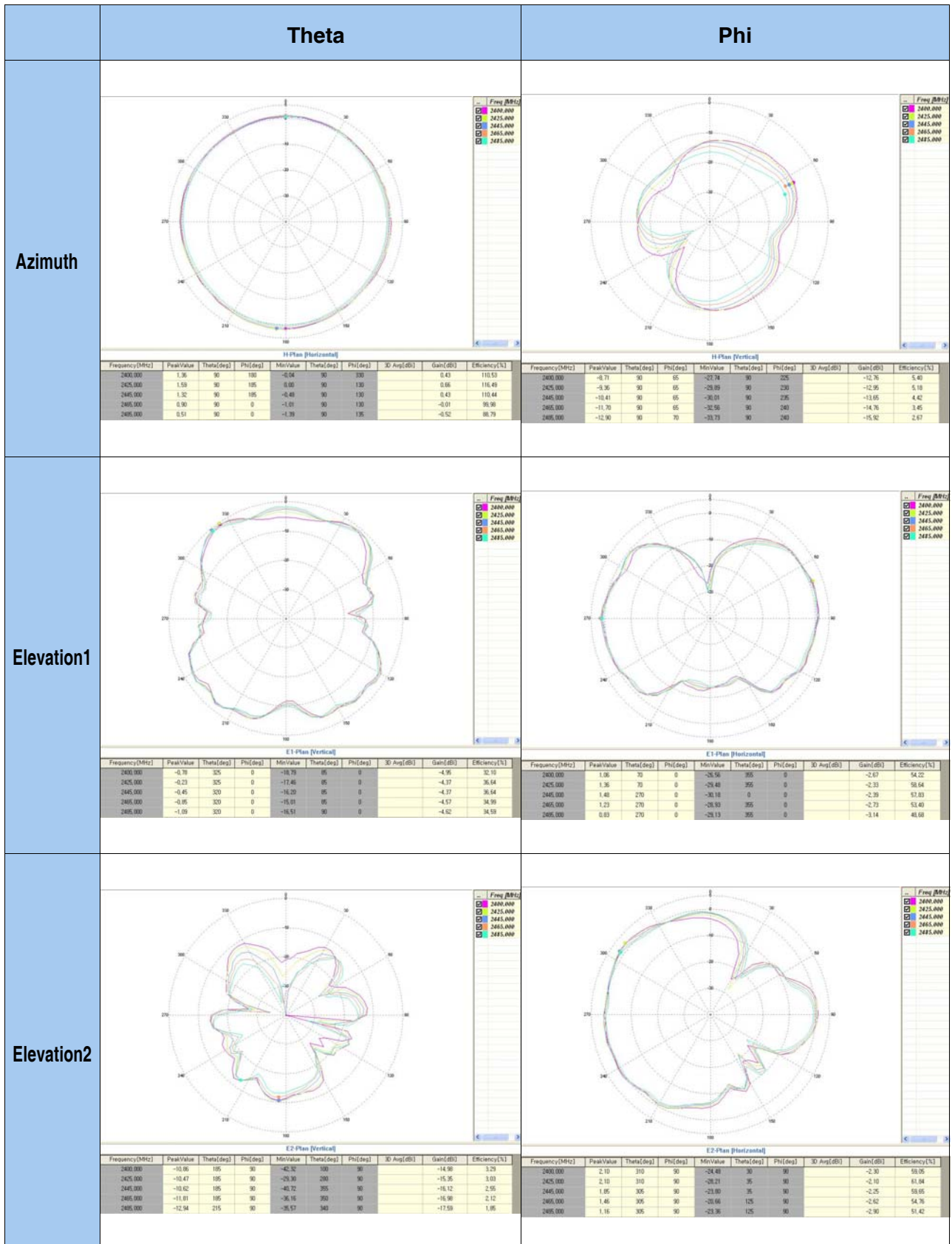


ELECTRICAL CHARACTERISTICS (2D)

2D Measurement				
Gain	Azimuth	Theta	Peak	1.59
			Average	0.66
		Phi	Peak	-8.71
			Average	-12.76
	Elevation 1	Theta	Peak	-0.23
			Average	-4.37
		Phi	Peak	1.36
			Average	-2.33
	Elevation 2	Theta	Peak	10.86
			Average	-14.98
		Phi	Peak	2.10
			Average	-2.10

Azimuth Plane	Elevation1 Plane	Elevation2 Plane
		
Theta	Vertical field of measured plane	
Phi	Horizontal field of measured plane	

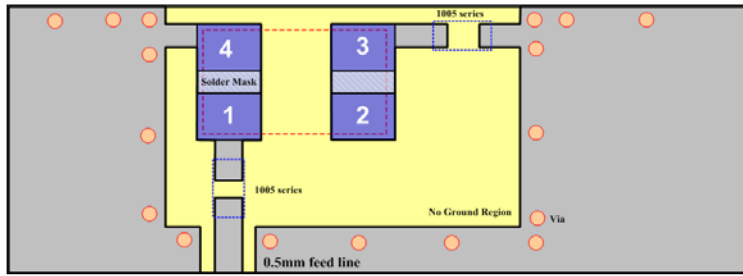
2D RADIATION PATTERN



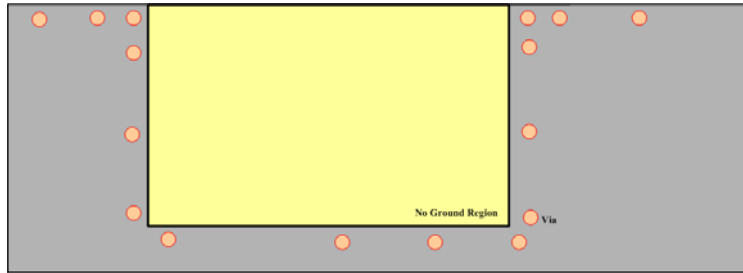
Dielectric Chip Antenna



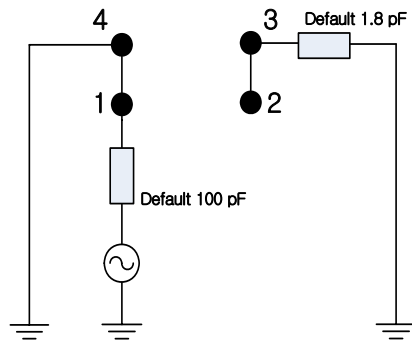
FEEDING METHOD (unit : mm, tolerance : ± 0.05)



< Top View >



< Bottom View >



< Default Condition Equivalent Circuit >

AutoCAD Drawing of Reference PCB Design

