

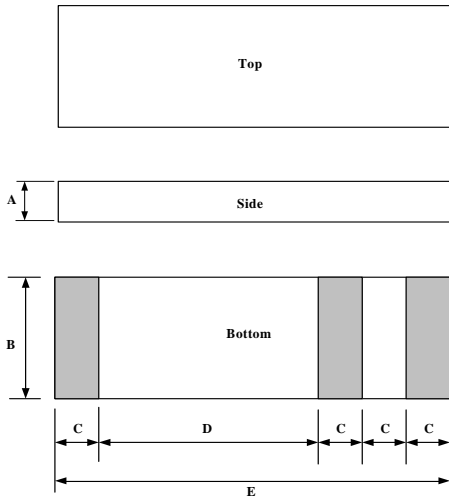
Dielectric Chip Antenna



■ P/N : ACS2450ICAXX

This specification covers the dielectric chip antenna ACS2450ICAXX used in Bluetooth

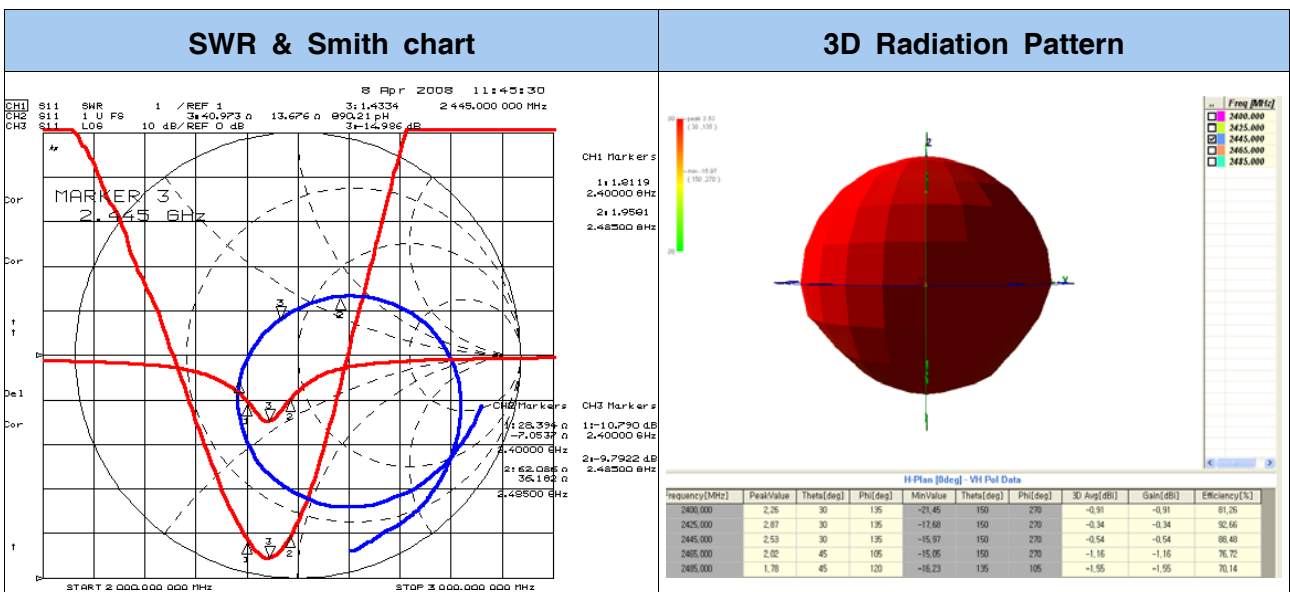
■ MECHANICAL DIMENSION (unit : mm, tolerance : ± 0.1)



A	1.2
B	3.0
C	1.0
D	5.0
E	9.0

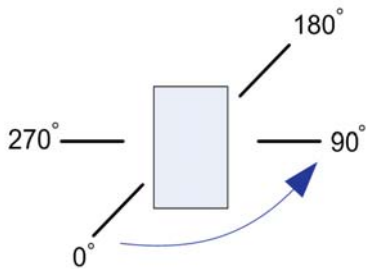
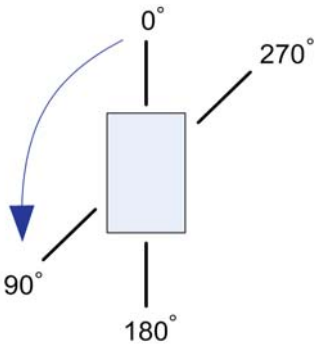
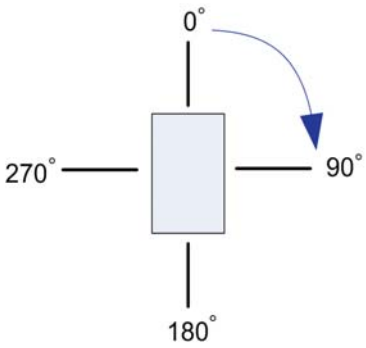
■ ELECTRICAL CHARACTERISTICS

ITEM		SPEC				
Frequency Range		2400 ~ 2485 MHz				
VSWR		3:1 Max				
Polarization		Linear				
Frequency [MHz]		2400	2425	2445	2465	2485
Gain [dBi]	Peak	2.26	2.87	2.53	2.02	1.78
	Average	-0.91	-0.34	-0.54	-1.16	-1.55
Efficiency [%]		81.26	92.66	88.48	76.72	70.14

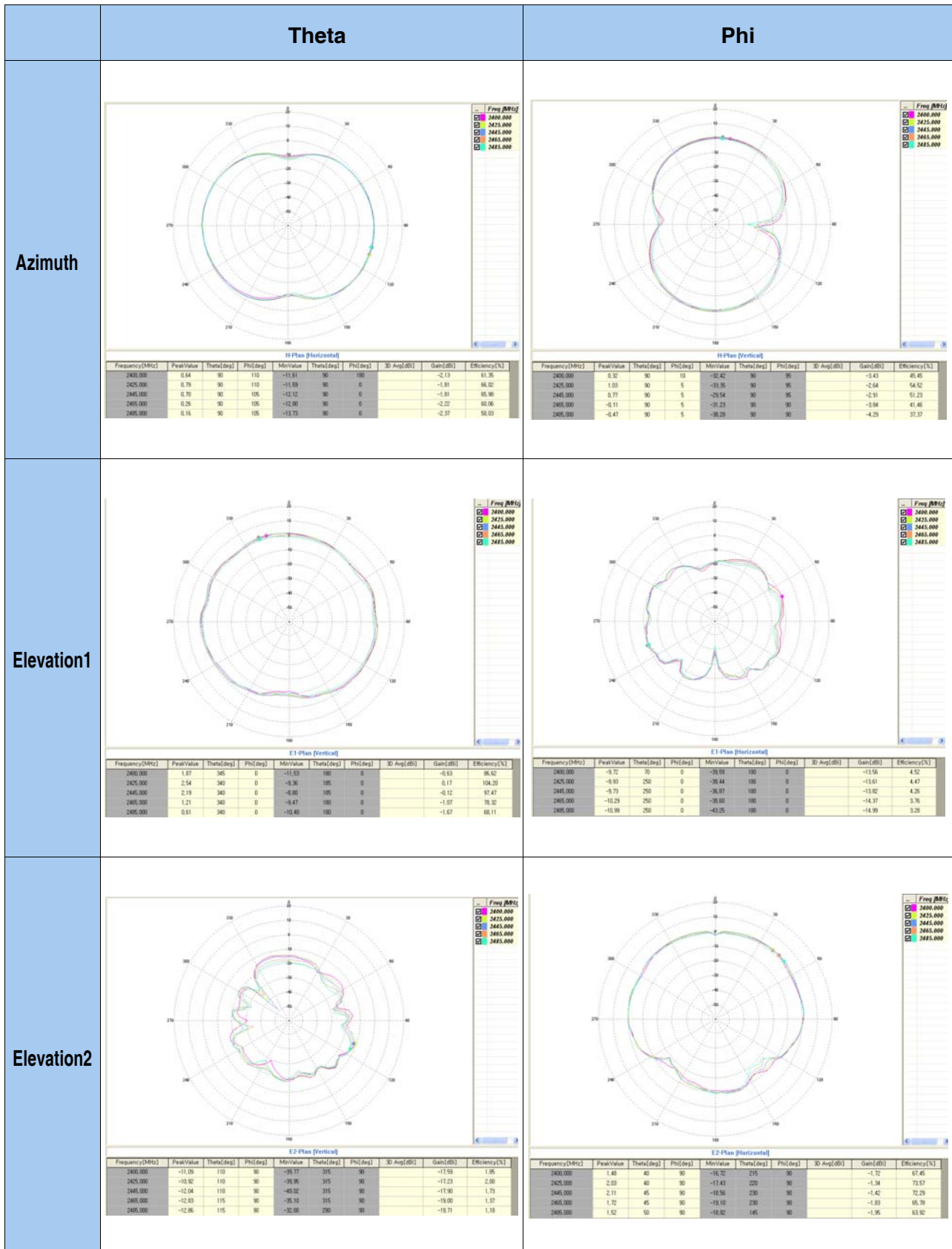


ELECTRICAL CHARACTERISTICS (2D)

2D Measurement				
Gain	Azimuth	Theta	Peak	0.79
			Average	-1.81
		Phi	Peak	1.03
			Average	-2.64
	Elevation 1	Theta	Peak	2.54
			Average	0.17
		Phi	Peak	-9.72
			Average	-13.56
	Elevation 2	Theta	Peak	-10.92
			Average	-17.23
		Phi	Peak	2.03
			Average	-1.34

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

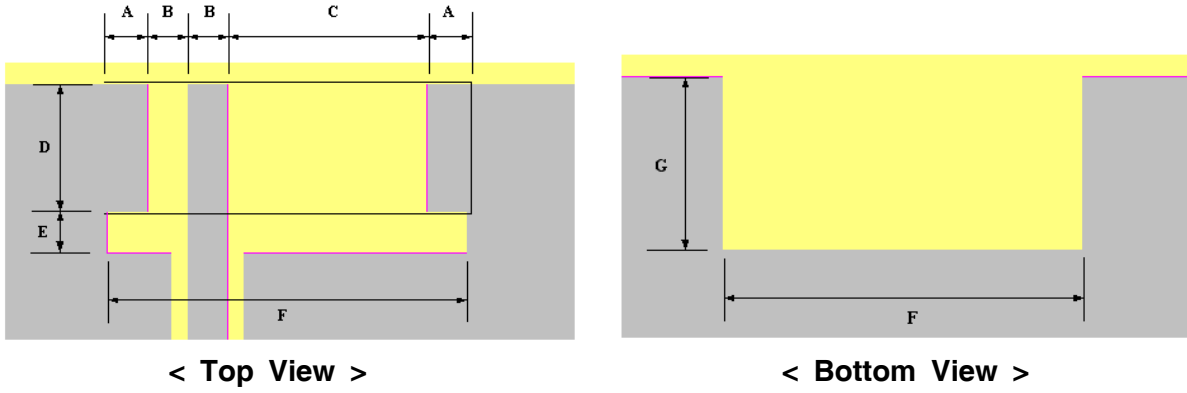
2D RADIATION PATTERN



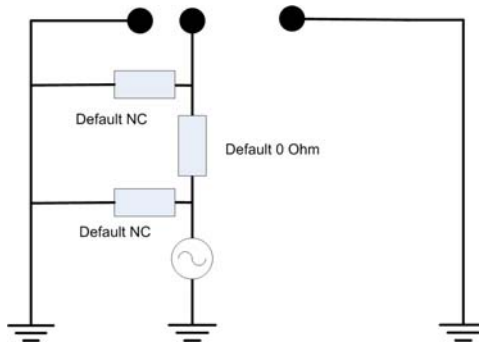
Dielectric Chip Antenna



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



Parameter	A	B	C	D	E	F	G
Value[mm]	1.1	1.0	5.0	3.2	1.0	9.0	4.2



AutoCAD Drawing of Reference PCB Design

