

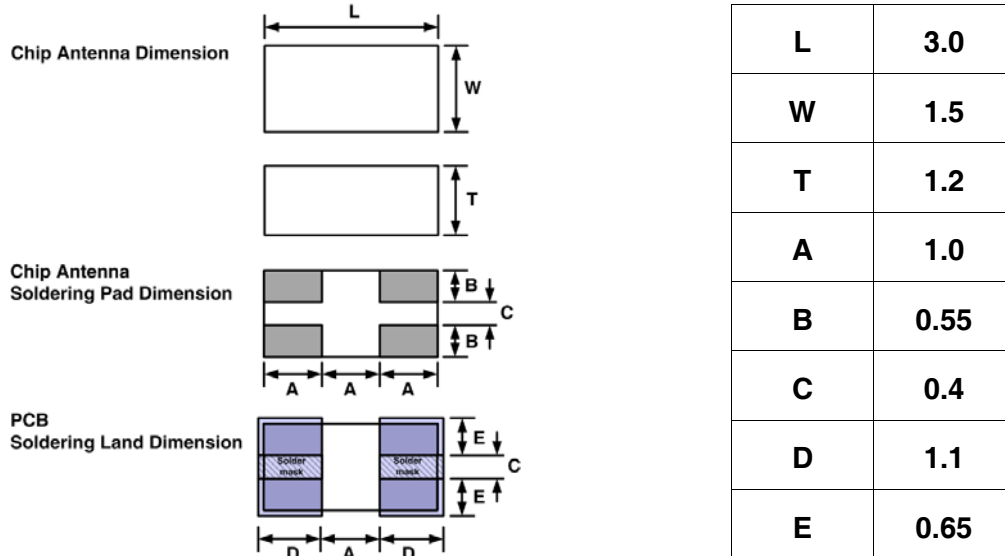
# Dielectric Chip Antenna



■ P/N : SDBTPTR3015

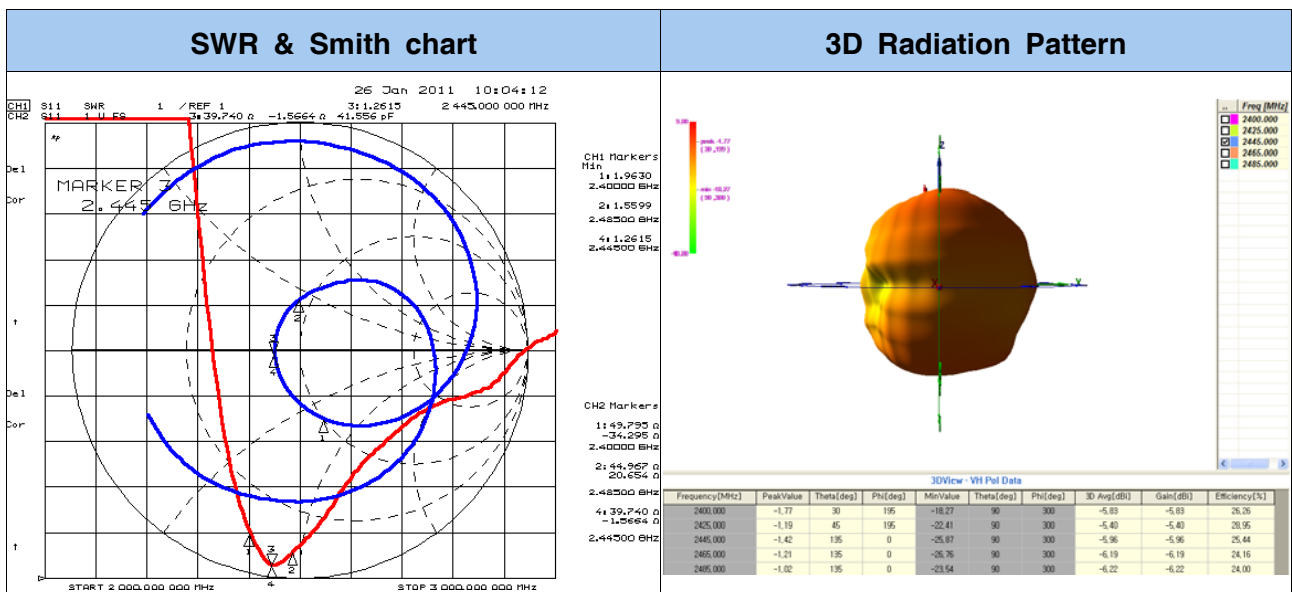
This specification covers the dielectric chip antenna SDBTPTR3015 used in Bluetooth

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



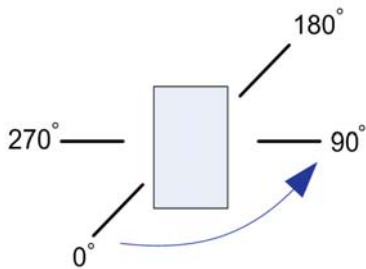
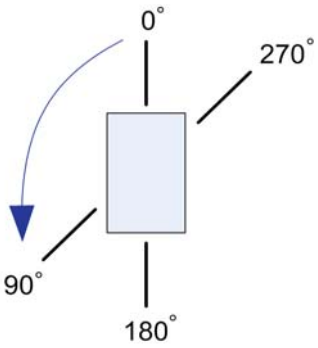
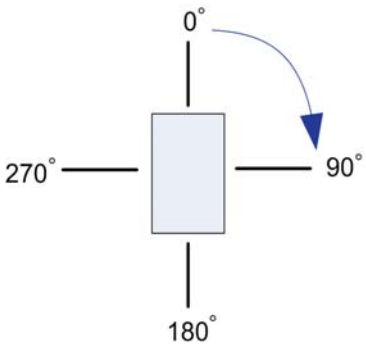
■ ELECTRICAL CHARACTERISTICS

ITEM		SPECIFICATION				
Frequency Range		2400 ~ 2485 MHz				
VSWR		3:1 Max				
Polarization		Linear				
Frequency [MHz]		2400	2425	2445	2465	2485
Gain [dBi]	Peak	-1.77	-1.19	-1.52	-1.21	-1.02
	Average	-5.83	-5.40	-5.96	-6.19	-6.22
Efficiency [%]		26.26	28.95	25.44	24.16	24.00

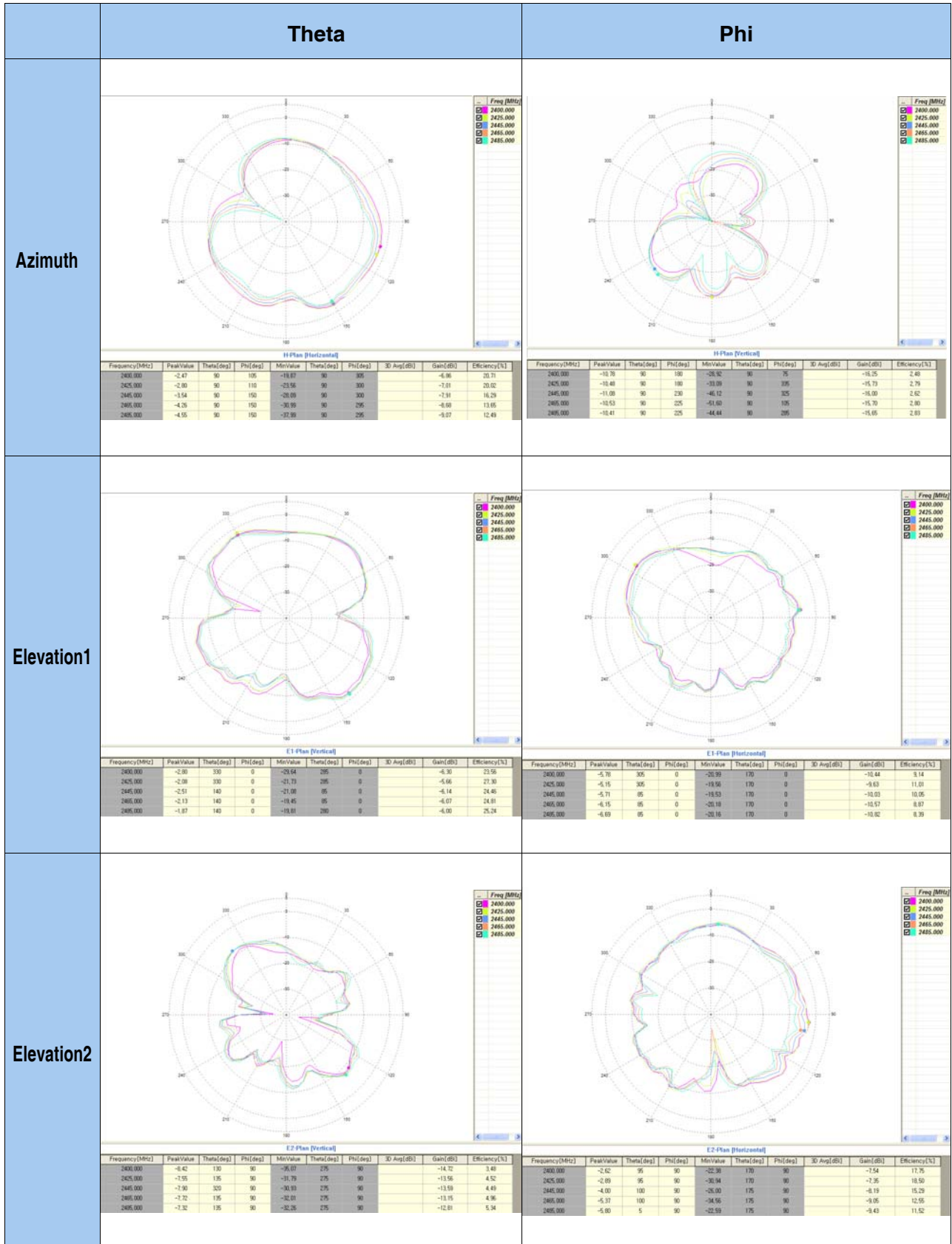


## ELECTRICAL CHARACTERISTICS (2D)

2D Measurement				
Gain	Azimuth	Theta	Peak	-2.47
			Average	-6.86
		Phi	Peak	-10.41
			Average	-15.65
	Elevation 1	Theta	Peak	-2.08
			Average	-5.66
		Phi	Peak	-5.15
			Average	-9.63
	Elevation 2	Theta	Peak	-7.32
			Average	-12.81
		Phi	Peak	-2.89
			Average	-7.35

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

## 2D RADIATION PATTERN



■ Active data

## T R P Measurement Report

*Airlink 3D*

Model Name	Revere_20110113-3015
ESN	-----
Version	.....
Serial	
Test Band	BlueTooth
Test Condition	
Memo	f2.2n g1.5p
Tested by	Airlink

P  
h  
o  
t  
o



Channel	0 Ch.	39 Ch.	78 Ch.
T R P	-4.79	-3.40	-3.65
T I S @ Max Plane	79.80	80.65	79.96
ERP/EIRP	0.02	1.01	0.03
NHPRP 30°	-7.31	-5.71	-5.88
NHPRP 45°	-6.05	-4.48	-4.59
NHPRP 60°	-5.12	-3.68	-3.88
UHRP	58.39%	59.09%	61.44%

