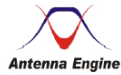


**Appendix 9.**

# Antenna specification

## 1.8.2 ZigBee Antenna Specification and Characteristic



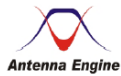
# ***ANTENNA ENGINE***

2.4GHz 칩안테나 규격서  
[AE-2450-38-SMT]

2011. 03. 28.

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***ANTENNA ENGINE***



- 목 차 -

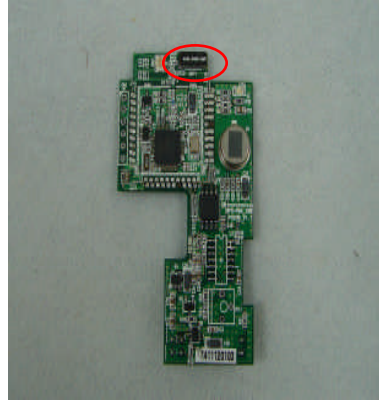
1. SPECIFICATIONS
2. Radiation Pattern
3. 3D-Measurement
4. Input Impedance
5. 도면

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***ANTENNA ENGINE***

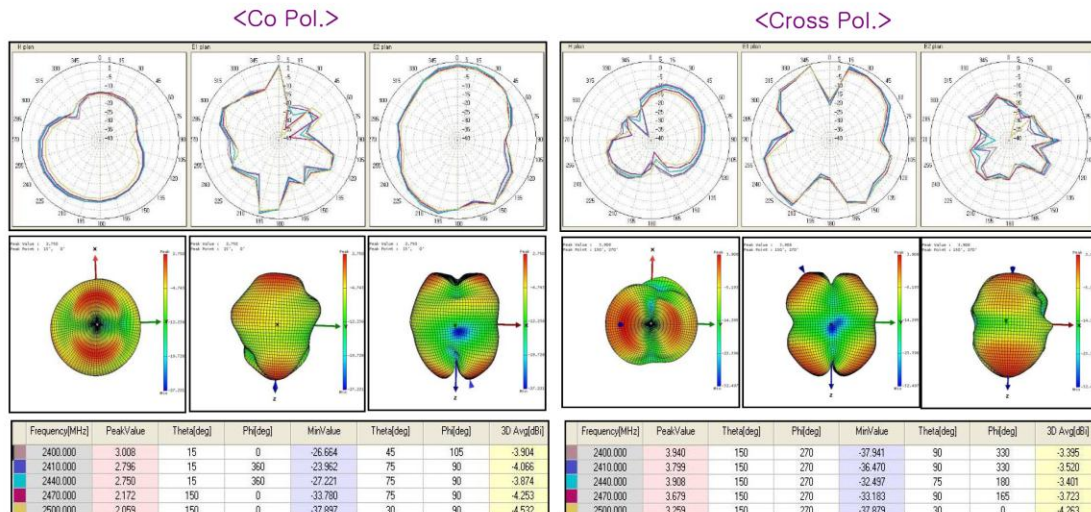
## 1. SPECIFICATIONS

ELECTRICAL Char.	SPECIFICATIONS	REMARK
Model	AE-2450-38-SMT	
Frequency Range	2400~2500[MHz]	
V.S.W.R	2.0 : 1	
Gain	3.94 ±0.5 [dBi]	
Polarizations	Isotropic	
Input Impedance	50[Ω]	
Input Power	1[W]	
MECHANICAL Char.	SPECIFICATIONS	
Feed Type	SMT	
Size[W x H x D]	8 x 3 x 1.6[mm]	



ANTENNA ENGINE

## 2. Radiation Pattern



ANTENNA ENGINE