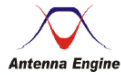


**Appendix 9.**

# **Antenna specification**

## 1.8.2 ZigBee Antenna Specification and Characteristic



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# ***ANTENNA ENGINE***

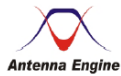
2.4GHz 칩안테나 규격서

[AE-2450-38-SMT]

2011. 03. 28.

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***ANTENNA ENGINE***



– 목 차 –

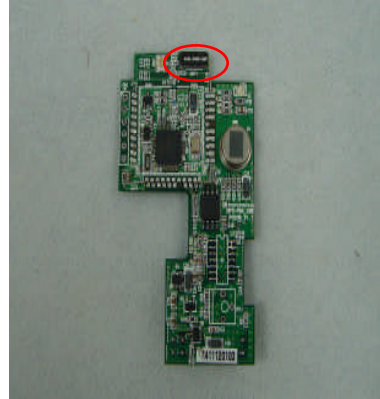
1. SPECIFICATIONS
2. Radiation Pattern
3. 3D-Measurement
4. Input Impedance
5. 도면

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***ANTENNA ENGINE***

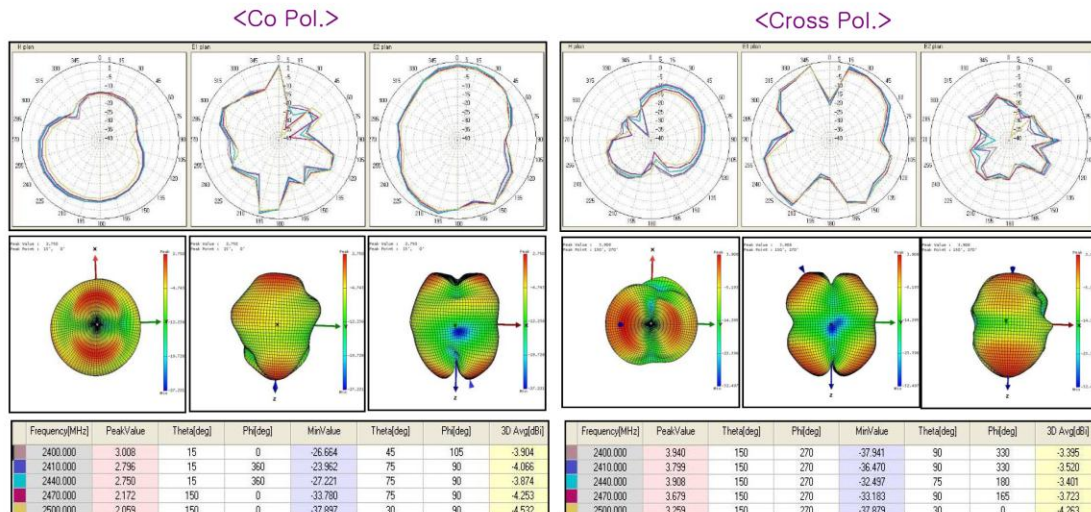
## 1. SPECIFICATIONS

| 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