



Specification No. AEC_MCL_160316_01

Messrs : Mobile Compia

Approval Sheet for Product Specification

Issued Date : June. 23. 2004

Product Description : SMD Type Chip Antenna

Customer Part No. :

AUTO Part No. : AEC MCL 001

Date :
Company :
Dept. :
Approved by (Signature)
(Type)

The duplicate of this specification shall be returned to us with your authorized signature. Unless it reaches us by July. 30, 2004 it shall be mutually understood that this specifications have been duly approved by you.

Technical Dept.

Prepared by

(Signature)
(Type)

Approved by

(Signature)
(Type)

Manager

Product Engineering Section

Antenna Products Department

Auto Electronic Corp.

(Company name/Dept.)

Specification Sheet

Object	Chip Antenna	REV.	3.0	Page	1 of 6
Model Name	AEC_MCL_001	Date		Jun. 23, 2004	
System	WLAN Module	Written by		S.O.Hong	

Electrical Specification

Frequency	2.4 ~ 2.485(GHz)
Bandwidth	200(MHz)
V.S.W.R	1.9:1(max)
Gain (max)	0(dBi)
Input Impedance	50()
Polarization	Linear

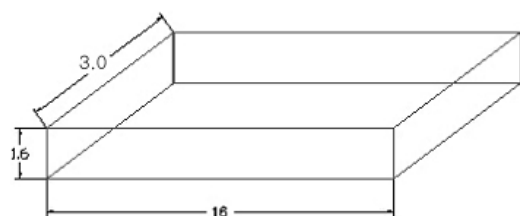
Mechanical Specifications

Size	16×3×1.6(mm)
Weight	0.22(g)
Radiator Material	Copper
Operation Temperature	-30 ~ 30()
Operation Humidity	10 ~ 30(%)

Option	
Others	

1. Dimension

- 16mm(L)×3(W)×1.6(H)

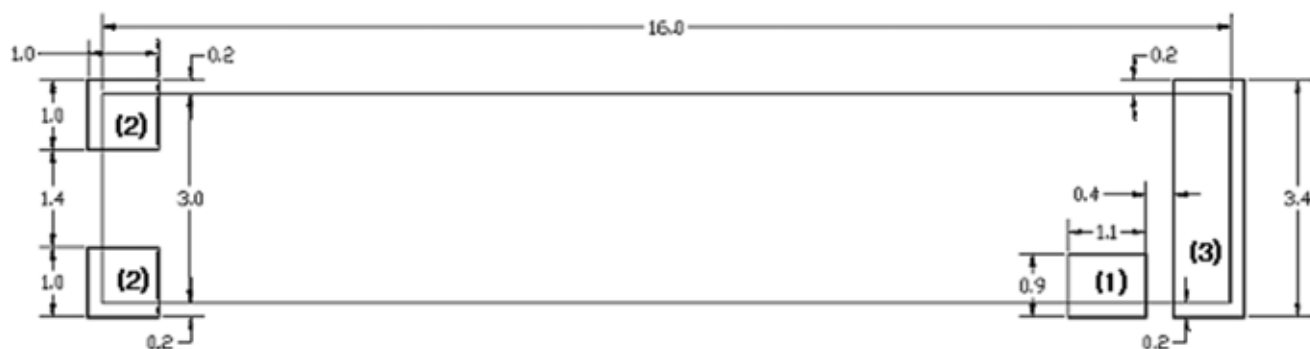


Dimension



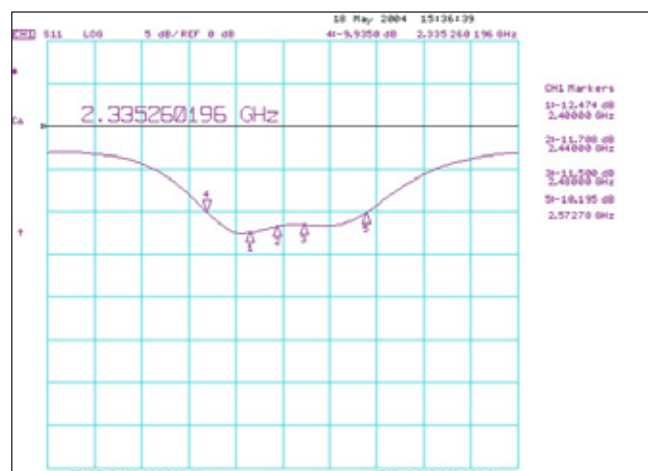
Bottom land pattern

- ★ The chip antenna is required to be used on our suggested PCB.

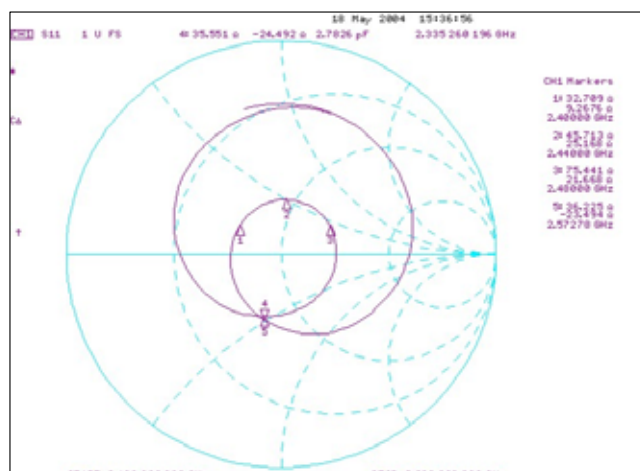


- (1) Feed point
- (2) NC(Mount points)
- (3) GND

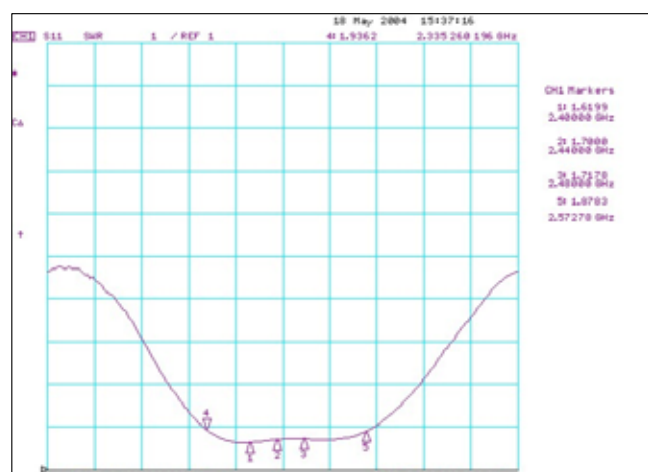
2. Characteristic



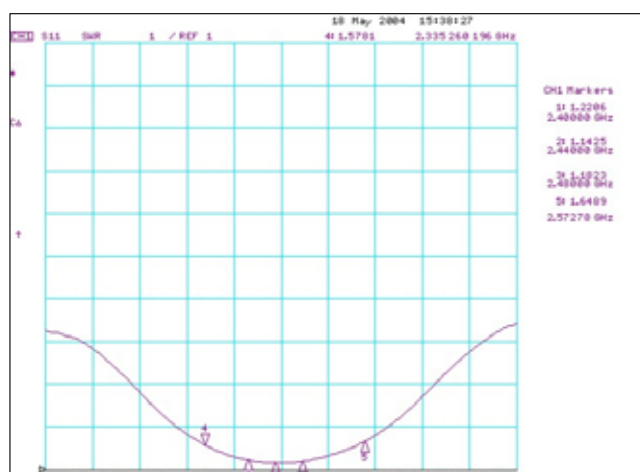
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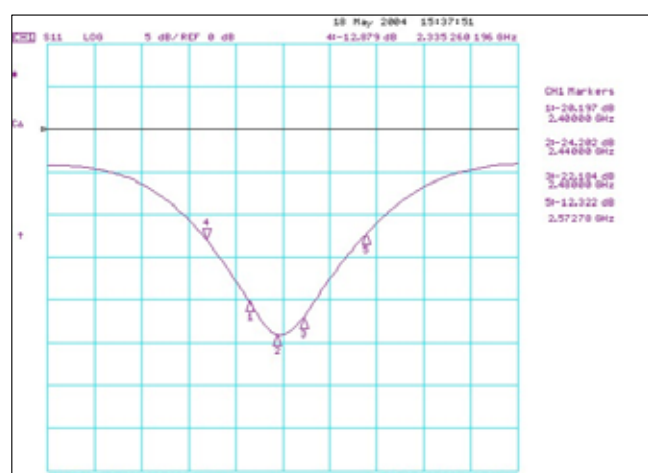
< Tuning Ant. : AEC_IJM_004-Smith Chart >



< Tuning Ant. : AEC_IJM_004-VSWR >

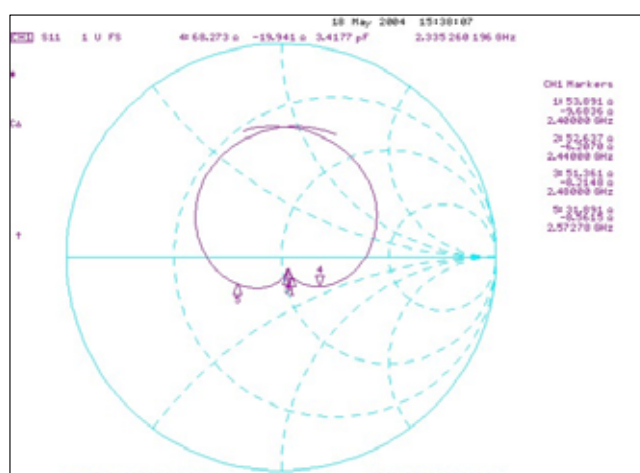


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< PDA >



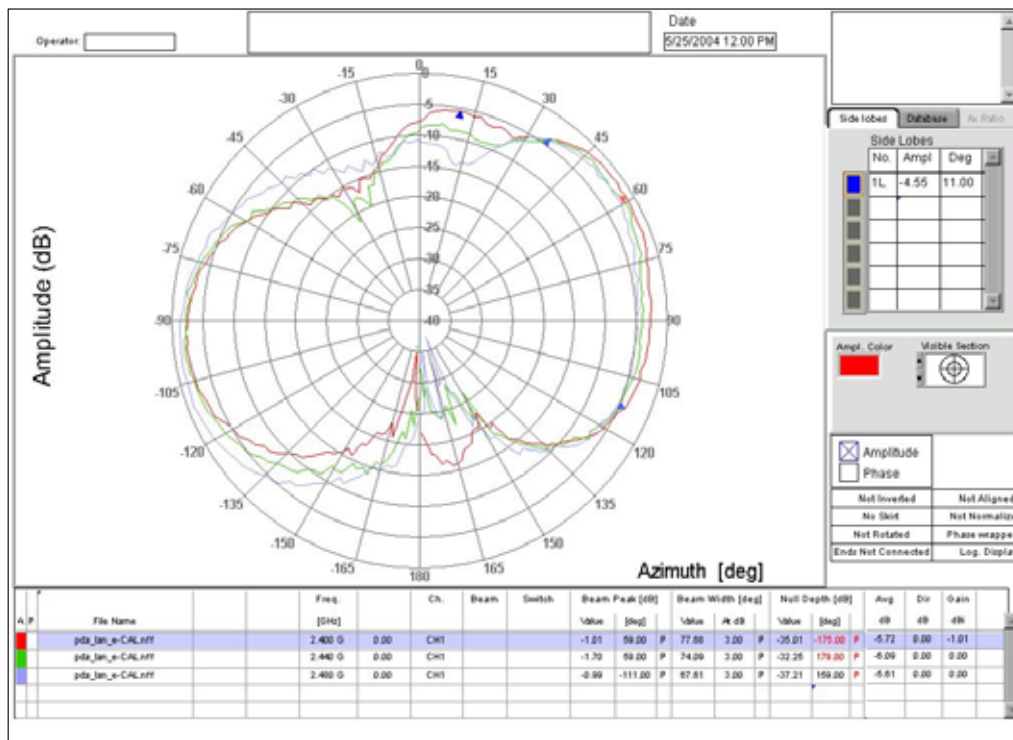
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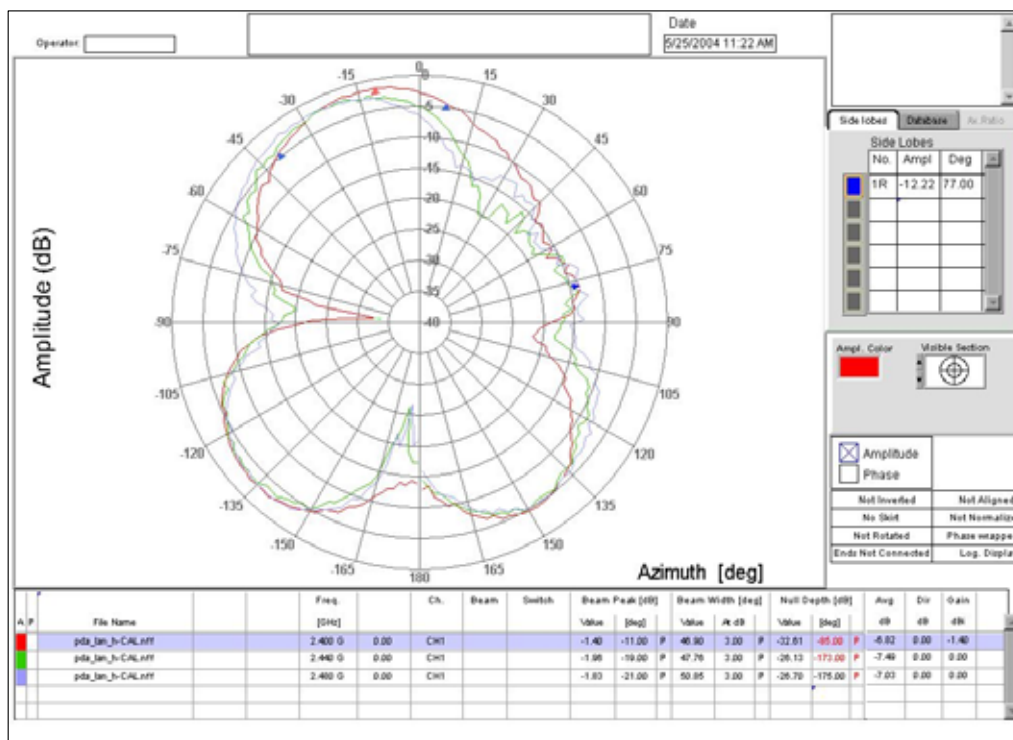


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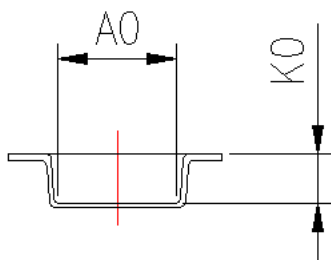
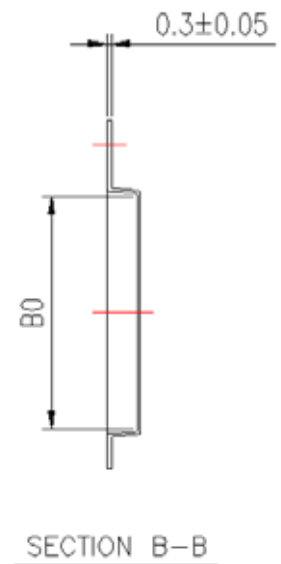
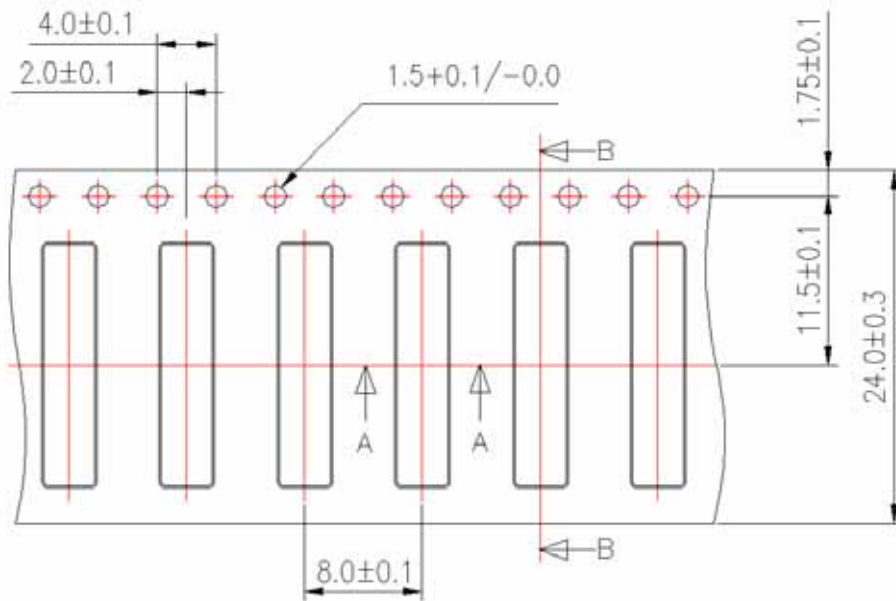
< AEC_MCL_001 : E-Plane >



< AEC_MCL_001 : H-Plane >

2. Taping

- Dimension of Tape (Plastic Case)



SECTION A-A

주]

1. 지시 없는 라운딩 Max R0.5

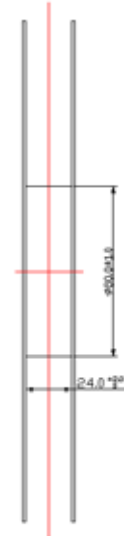
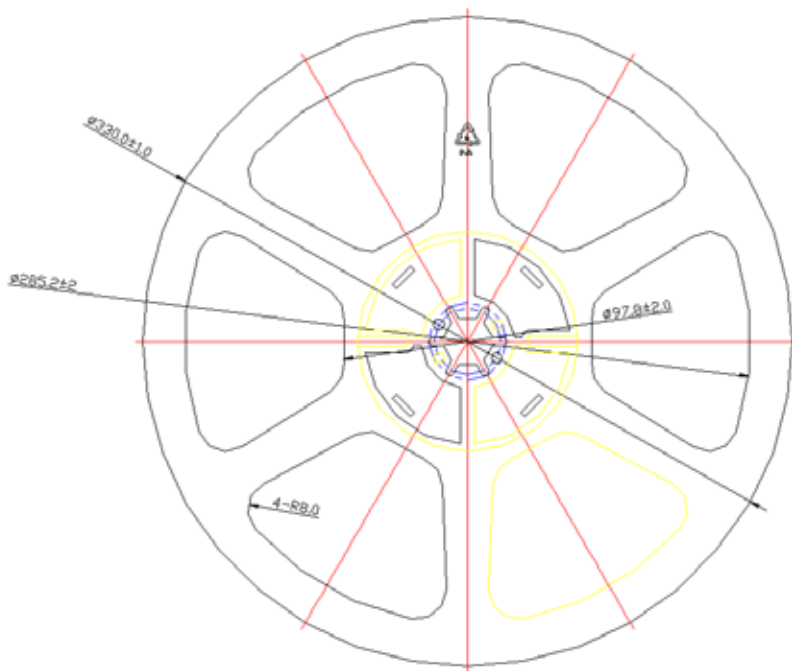
2. 빠짐기울기 Max 5°

A0 : 3.40 ± 0.10

B0 : 16.40 ± 0.10

K0 : 2.10 ± 0.10

• Dimension of Reel (Plastic Reel)



주)
 1. 지시없는 공차는 0.5
 2. 표면저항 : $10^{-5} \sim 10^{-10} \Omega$

