

APPROVAL SHEET

2450MHz PCB Pattern Antenna

Version : 1.0

품명	2450MHz PCB Pattern Antenna
Part Number	
Description	2450MHz / Pattern Antenna / 0dBi
Sales	<i>ANTENNA ENGINE</i>

Antenna Engine		Customer
Sales	PM	Approved by
		



ANTENNA ENGINE CO., LTD.

(420-020) 4F #328-8, Younghwa B/D, Sang-dong Wonmi-gu, Bucheon-si, Gyeonggi-do, KOREA
Office : +82-70-7740-7735 | Fax : +82-32-651-7758

E-mail : bjk@antennaeng.com | Website : www.antennaeng.com

Revised History

Version	Purpose	Date	Editor
V 1.0	Initial Doc.	2013/06/25	



1. SPECIFICATION

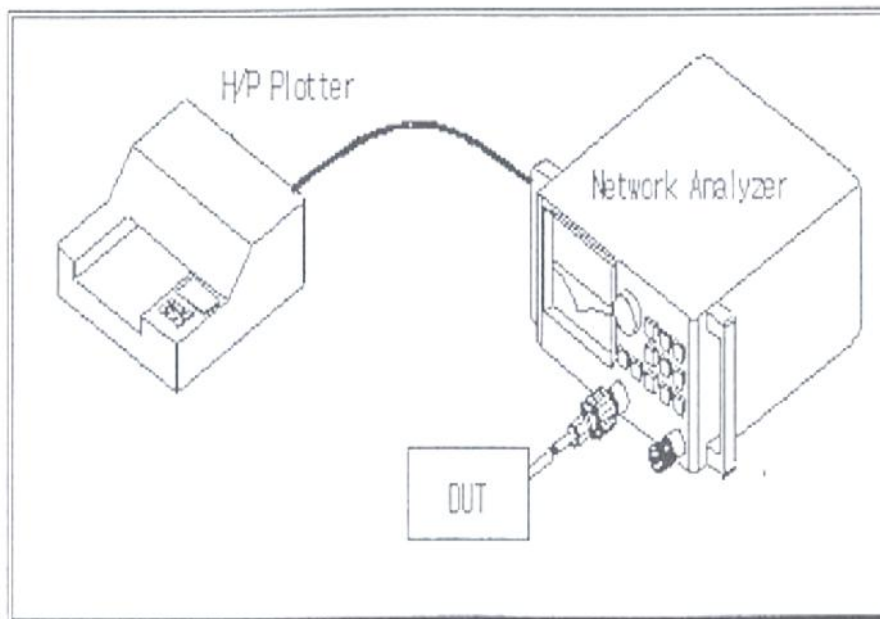
ELECTRICAL SPECIFICATIONS	
MODEL	AEI-2450-PCB 패턴 안테나
FREQUENCY RANGE	2400~2500 [MHz]
V.S.W.R	1: 4 (Max. 4.0)
GAIN	0 [dBi]
FRONT TO BACK RATIO(dB)	N/A
-3dB BEAMWIDTH(H-PLANE)	Omni
-3dB BEAMWIDTH(E-PLANE)	N/A
IMPEDANCE	50Ω
POLARIZATION	Linear

MECHANICAL SPECIFICATIONS	
DIMENSION(mm)	18 x 9 x 0.8 mm
Cable Ass'y	N/A
MATERIAL	FR-4, 0.8T
CONNECTOR TYPE	Microstirp Line Feeding
MAX INPUT POWER(Watt)	1
OPERATING TEMPERATURE(°C)	-20° ~ +70°

2. MEASUREMENT

2.1 Standing Wave Ratio (정재파비)

Specified in the electrical specifications for the antenna standing-wave ratio requirements that must be met. And Antenna measurements should be less than 4.0.



2.2 Antenna Pattern

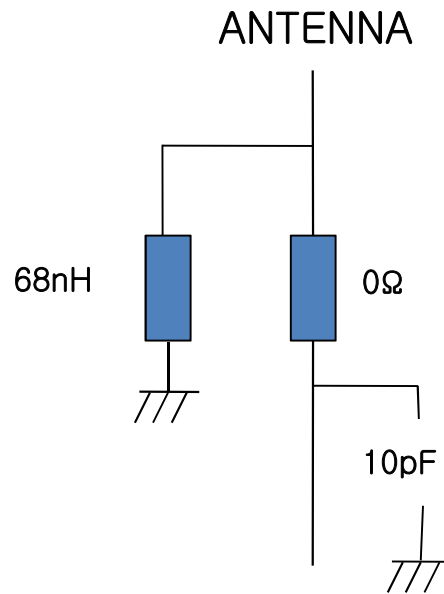
The radiation pattern of the antenna is to be measured in the 3D chamber.

2.3 Antenna Gain

The measurement of the antenna gain horn antenna is set to the standard antenna [dBi] is represented by.

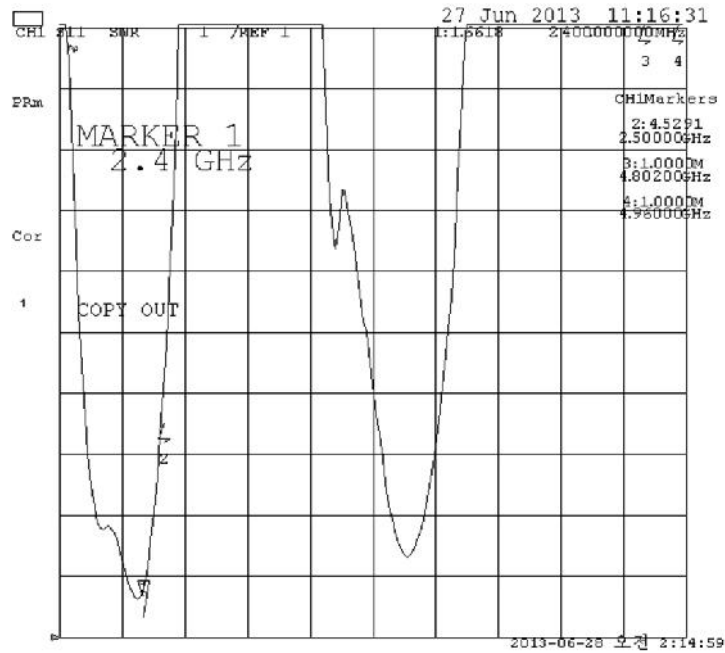
The entire frequency band of the antenna gain for the 0 [dBi] is not to be less than

3. Input Impedance Matching Element

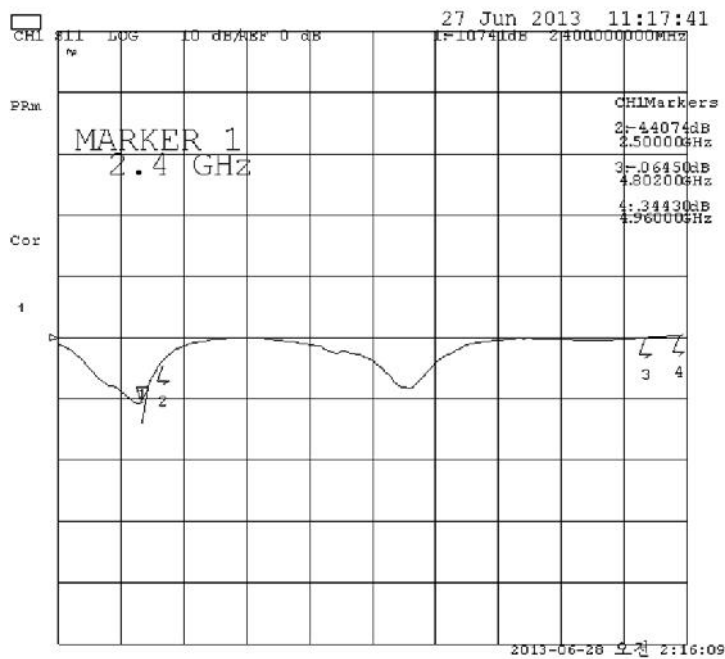


4. SPEC Data

4.1 Standing Wave Ratio



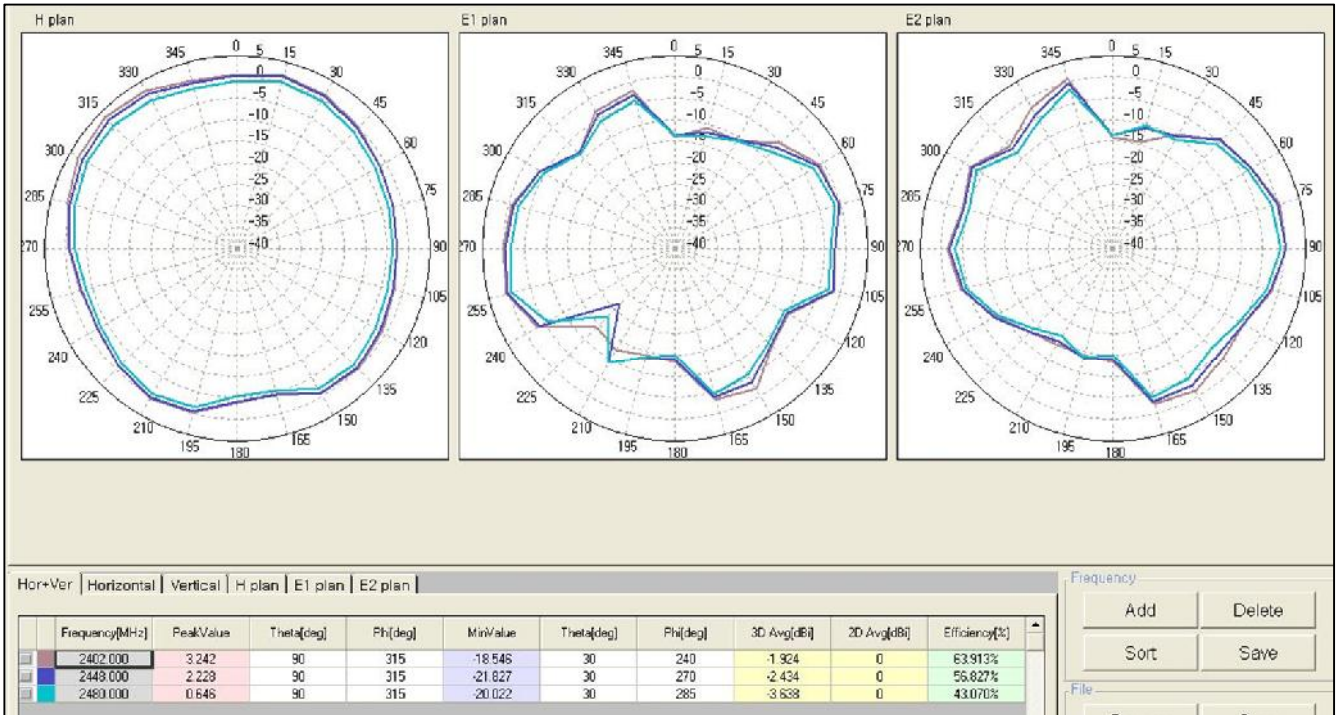
4.2 Return Loss





5. Radiation Pattern

5.1 2.4GHz



5.2 4.8GHz

