

APPROVAL SHEET

(RoHS)

CUSTOMER : **LG ELECTRONICS**

**CUSTOMER'S
PART NO.**

:

DESCRIPTION

:

PIFA antenna

PART NO.

:

MSA-3610-2G4C1-A5

DATE

:

2012.05.07

AUTHORIZED BY

:

Bradley Hung

SIGN	Design	Approved
LiteOn		
LG		

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LITEON

May. 2012

Antenna Specification

Specification

ELECTRICAL PROPERTIES

- 1.1 Frequency Range.....2.4GHz
- 1.2 Impedance..... 50 Ohm Nominal
- 1.3 VSWR..... 2 (Max)
- 1.4 Return Loss..... -10dB (Max)
- 1.5 Radiation.....Omni-directional
- 1.6 Polarization.....Linear Vertical
- 1.7 Admitted Power.....1W
- 1.8 Peak Gain..... 2.70 dBi

PHYSICAL PROPERTIES

- 2.1 Cable..... ϕ 1.13mm Coaxial Cable (Gray)
- 2.2 Antenna Cover..... TPEE
- 2.3 Antenna Base..... PC/PBT
- 2.4 ColorGray
- 2.5 Connector..... TNOV
- 2.6 Operating Temp..... -20 °C ~ +65 °C
- 2.7 Storage Temp..... -30 °C ~ +75 °C

Mechanical Specification

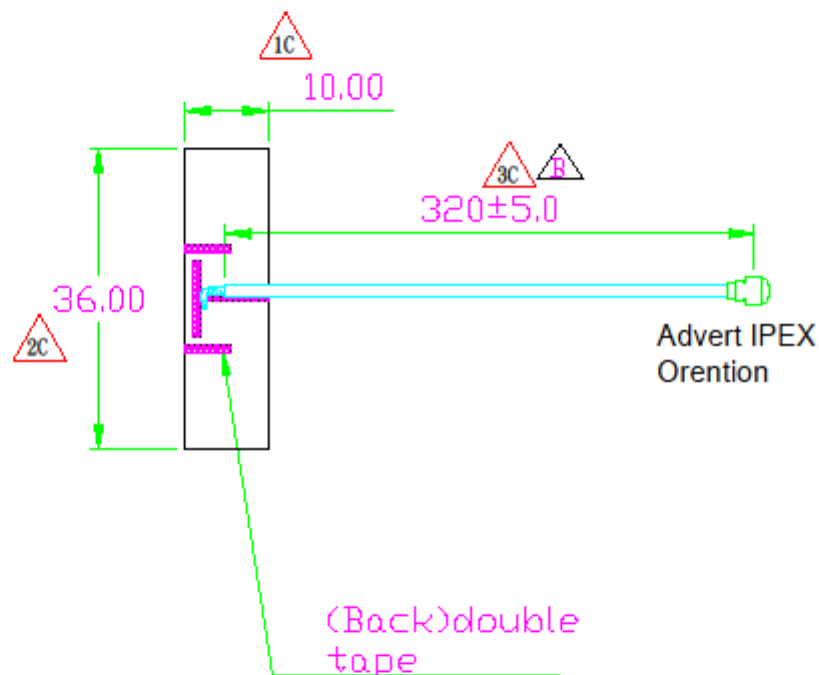
RoHS COMPLIANT

MECHANICAL

Body : SUS430(鍍鎳) T=0.3mm
Double Tape: 3M 9448 36*10mm

ELECTRICAL

Frequency : 2.4GHz
Cable : Coaxial Cable $\phi 1.13$ (Gray)
Connector: TNOV



(Package) 16pcs/Bag

△	Modify Cable Length	3/4/12	Fchou
△	New Release	4/6/12	Fchou
LTR	DESCRIPTION	DATE	REQ. BY

※凡標記△記號者, 為品管檢驗之尺寸

設計DR. Fchou 2011/04/06	核准APPL Marco 2012/04/06
版本說明	REVISION NOTE

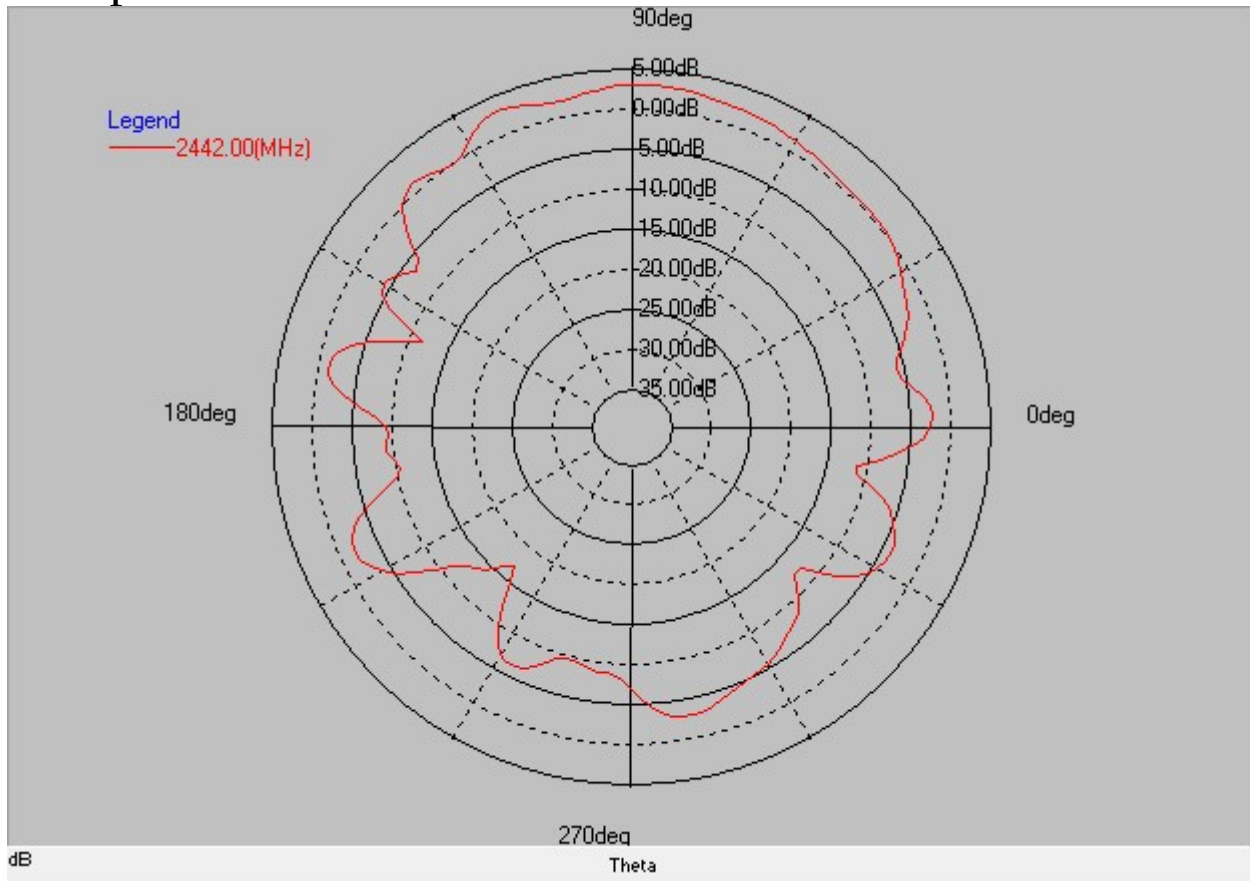
容許公差	TOLERANCE
.XXX	±0.20
.XX	±0.35
.X	±0.50
X	±1.00
ANG	±5

品名 ARTICLE MSA-3610-2G4C1-A5

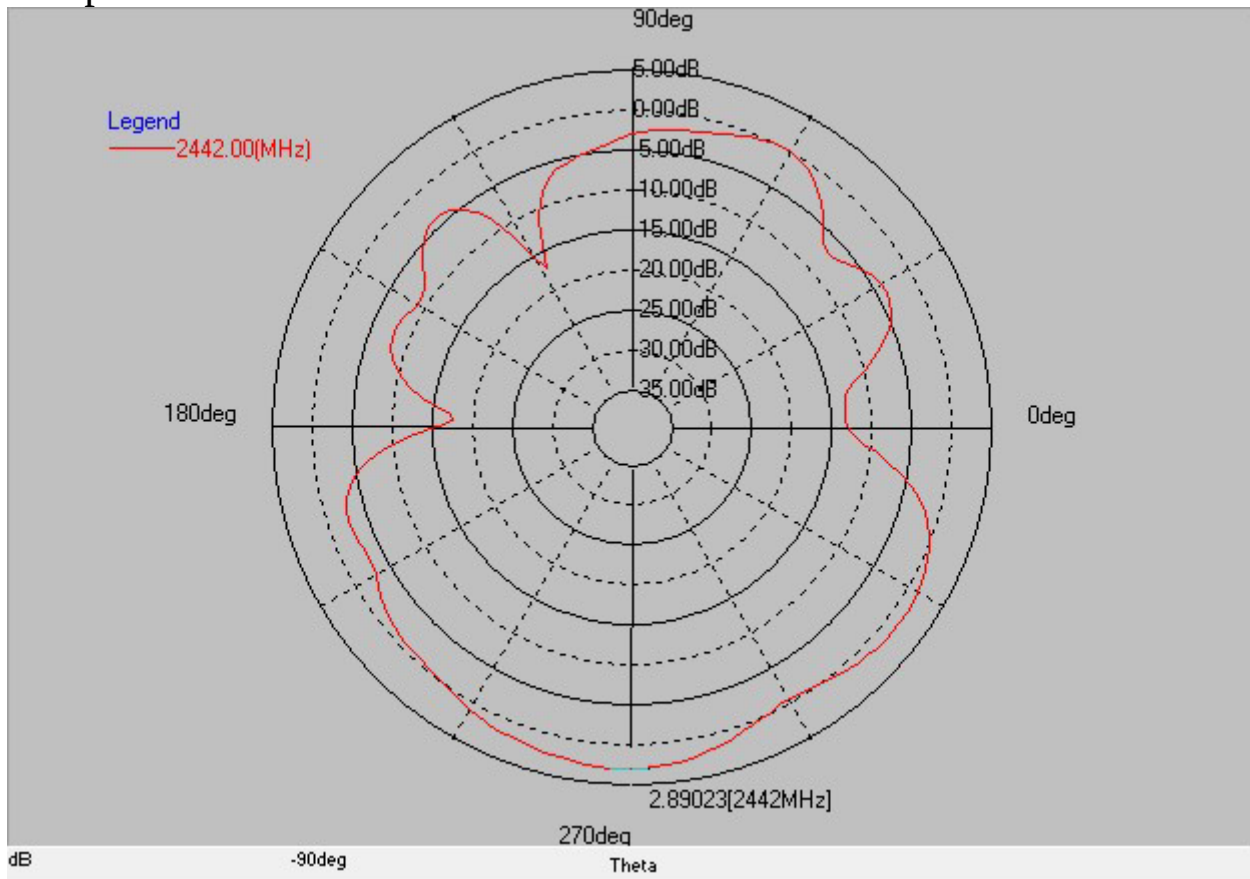
LITEON		單位 UNIT mm	比例 SCALE ****	張數 SHEET 1	版本 REV. B
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2-D Radiation Pattern

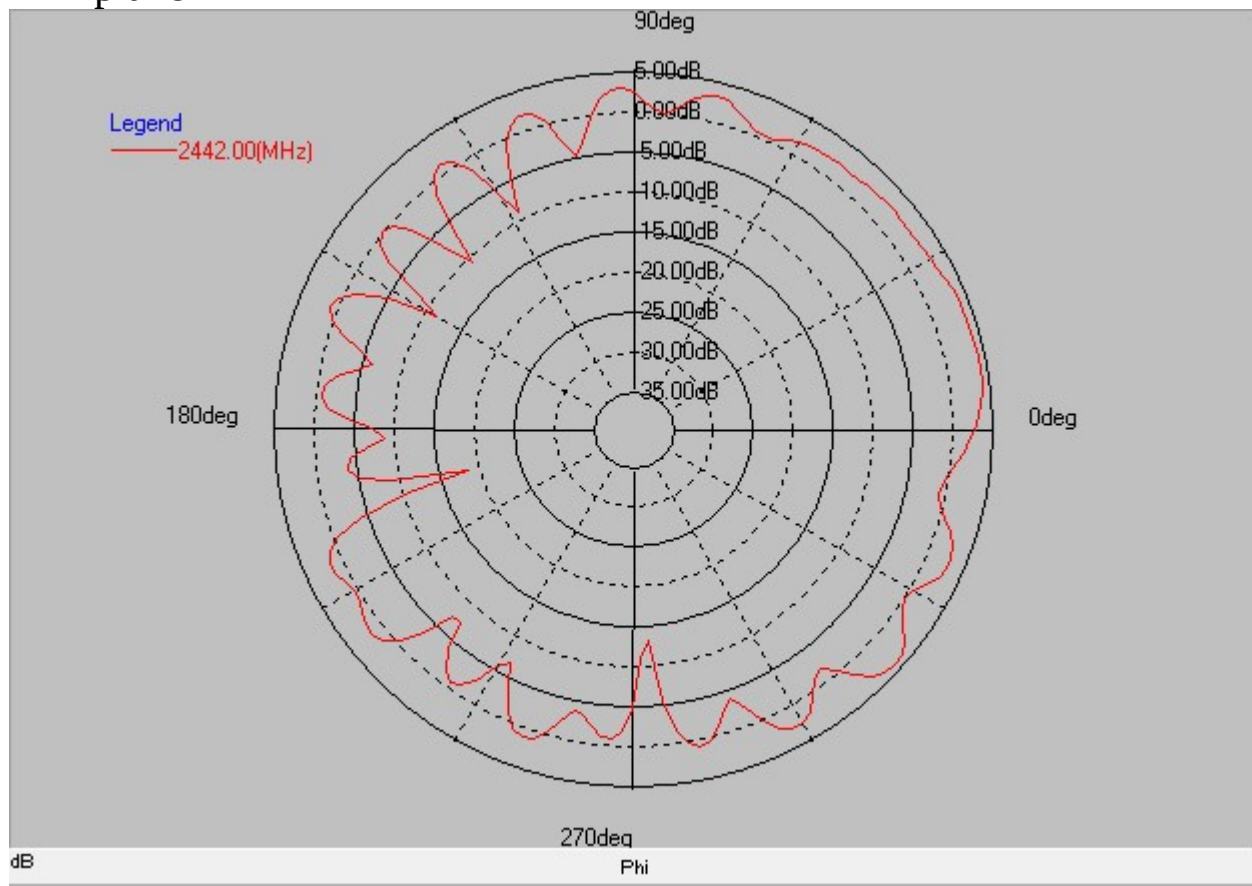
X-Z plane



Y-Z plane



X-Y plane



Antenna Peak Gain Table

Frequency (MHz)	Peak Gain (dBi)
2400	2.22
2420	2.53
2442	2.70
2460	2.43
2484	2.30