

APPROVAL SHEET

(RoHS)

CUSTOMER : 盛微先進

CUSTOMER'S PART NO. :

DESCRIPTION : RF ANTENNA ASSEMBLY

PART NO. : EDA-1513-25GC1-A7

DATE :

AUTHORIZED BY : Jason Chen

	FULLY APPROVED	PARTIALLY APPROVED	REJECTED
SIGN			
SUGGESTION			

美磊科技股份有限公司

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EDA-1513-25GC1-A7_V01

Jan. 2014

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Antenna Specification

ELECTRICAL PROPERTIES

- 1.1 Frequency Range.....2.4/5GHz
- 1.2 Impedance.....50 Ohm Nominal
- 1.3 VSWR.....2 (Max)
- 1.4 Return Loss.....-10dB (Max)
- 1.5 Radiation.....Omni-directional
- 1.6 Gain(peak).....3.0dBi
- 1.7 Polarization.....Linear Vertical
- 1.8 Admitted Power.....1W

PHYSICAL PROPERTIES

- 2.1 Cable.....Coaxial Cable § 1.13 (Black)
- 2.2 Antenna Cover.....TPEE
- 2.3 Antenna Base.....PC+PBT
- 2.4 Operating Temp.....-20°C ~ +65°C
- 2.5 Storage Temp.....-30°C ~ +75°C
- 2.6 Color.....Black



Mechanical Specification

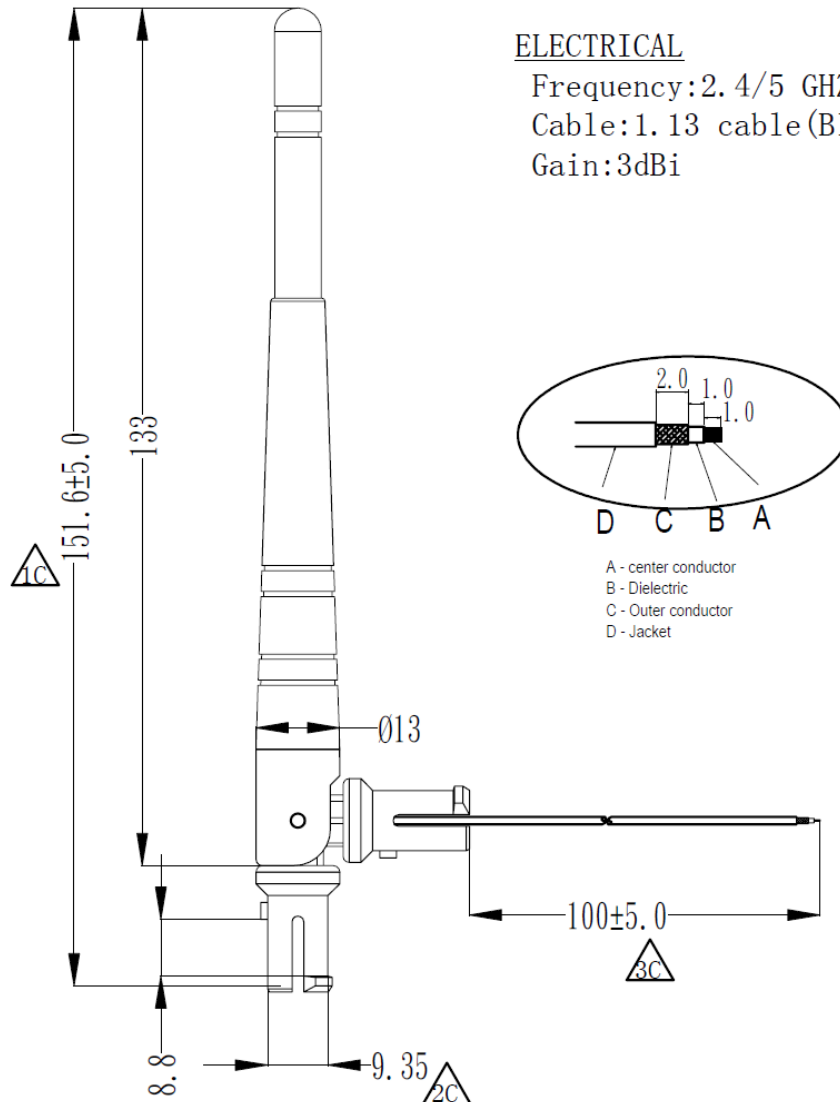
RoHS COMPLIANT

MECHANICAL

Antenna Cover:TPEE
Antenna Base:PC+PBT
Color:Black

ELECTRICAL

Frequency:2.4/5 GHZ
Cable:1.13 cable (Black)
Gain:3dBi



※凡標記△C記號者,為品管檢驗之尺寸

設計 DR. Vince 2014/01/20	核准 APPD. Jason 2014/01/20	容許公差 .XXX .XX .X X ANG	TOLERANCE ± 0.20 ± 0.35 ± 0.50 ± 1.00 ± 5	品名 ARTICLE EDA-1513-25GC1-A7
版本說明	REVISION NOTE			
MAGLAYERS				
單位 UNIT mm	比例 SCALE ****	張數 SHEET 1	版本 REV. A	



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EDA-1513-25GC1-A7_V01

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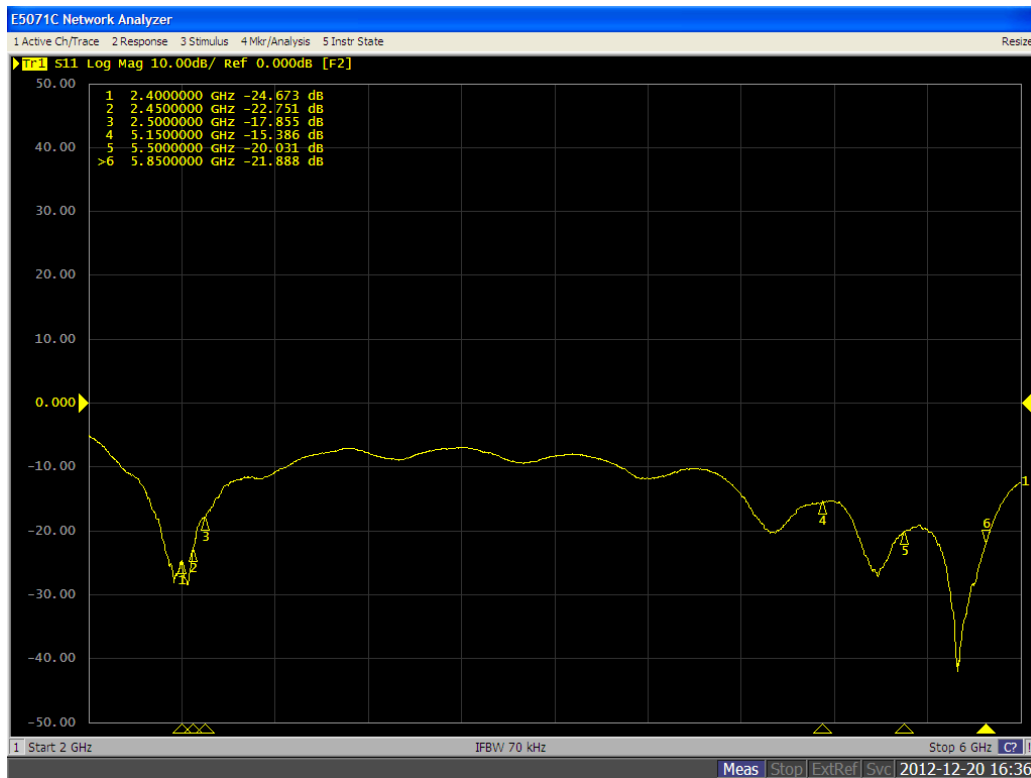
Test Report

ELECTRICAL CHARACTERISTICS

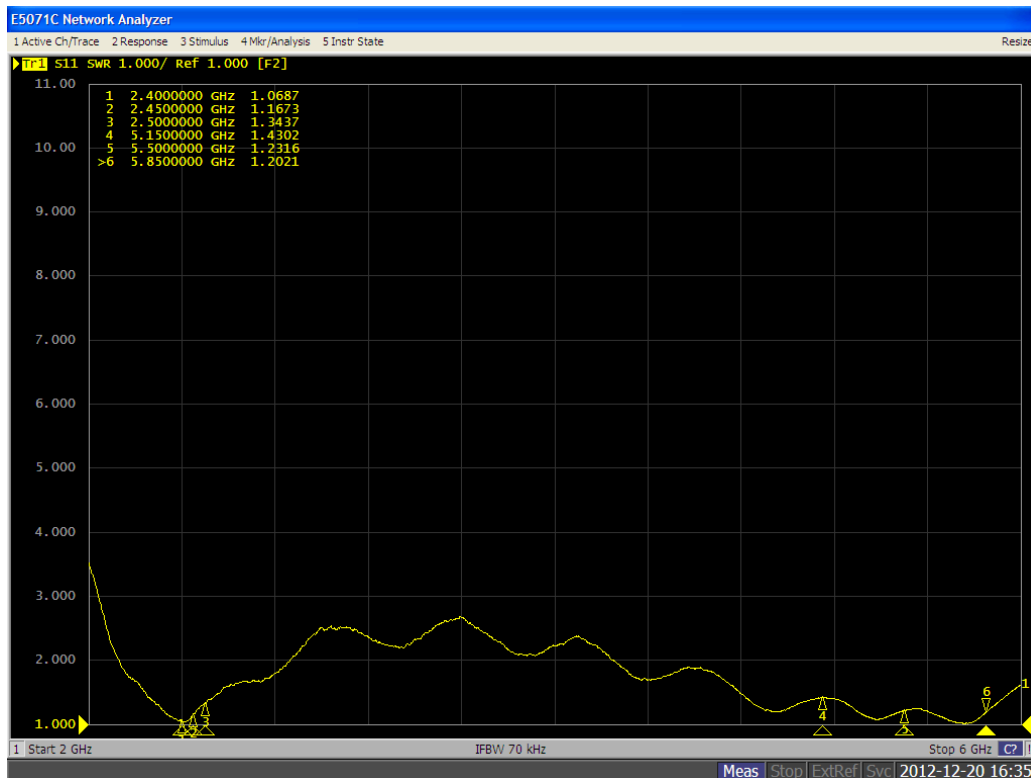
P/NO: EDA-1513-25GC1-A7

Spec: 2.4~2.5 GHz /5.15~5.85GHz

Return Loss

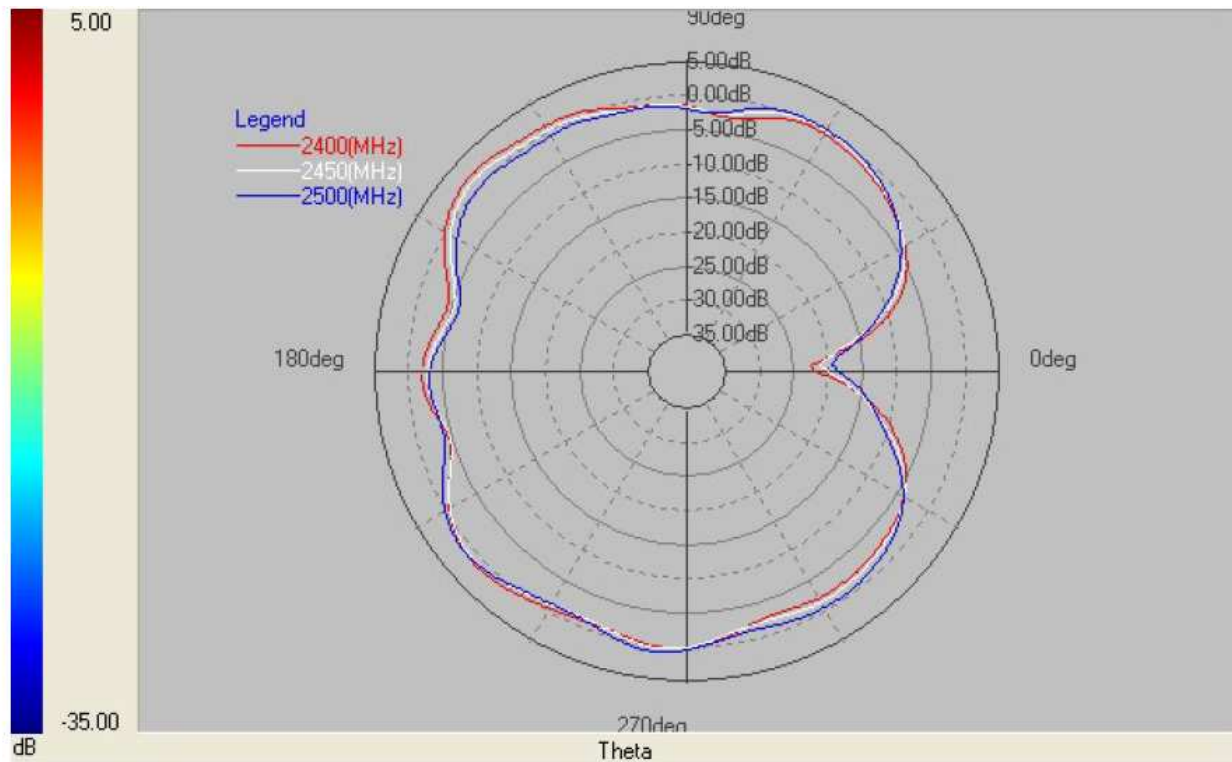


VSWR



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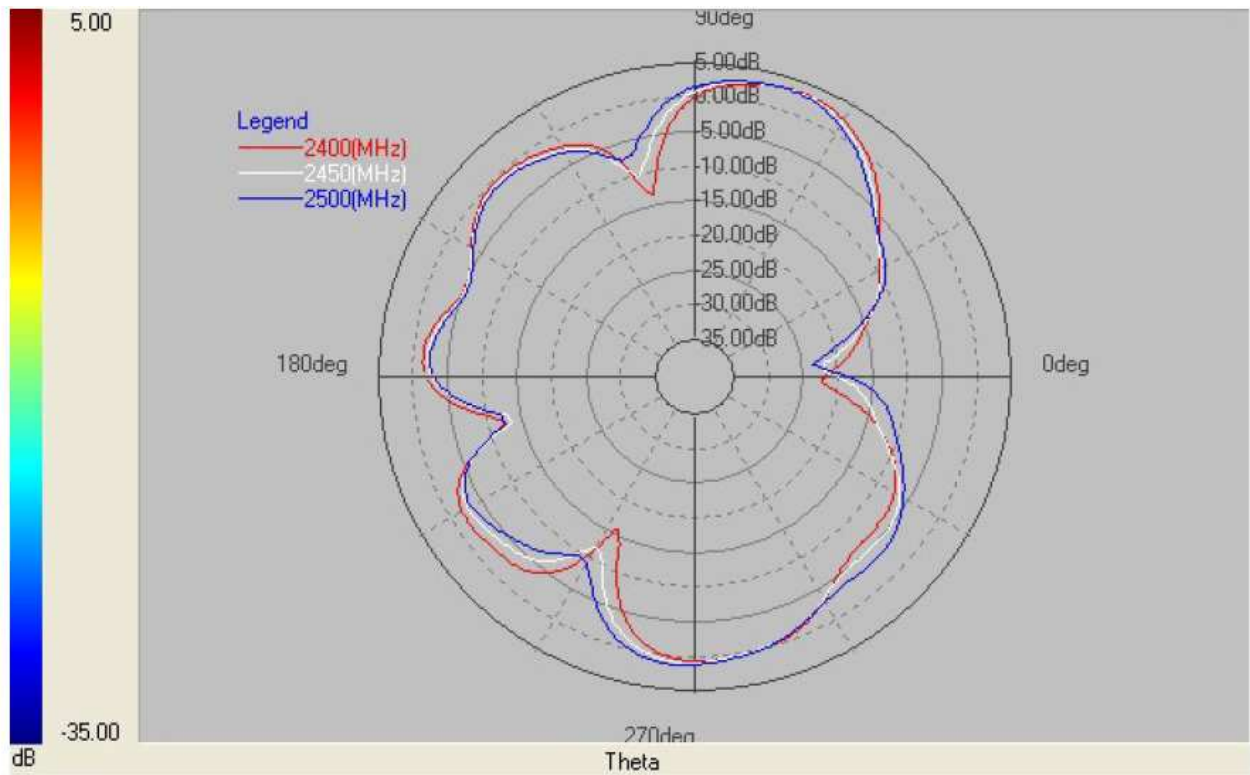
Frequency(MHz) : **2400~2500. Y-Z Plane**



Layer	Max value	Average
2400(MHz)	1.98 dB	-2.10 dB
2450(MHz)	2.21 dB	-2.31 dB
2500(MHz)	2.19 dB	-2.26 dB



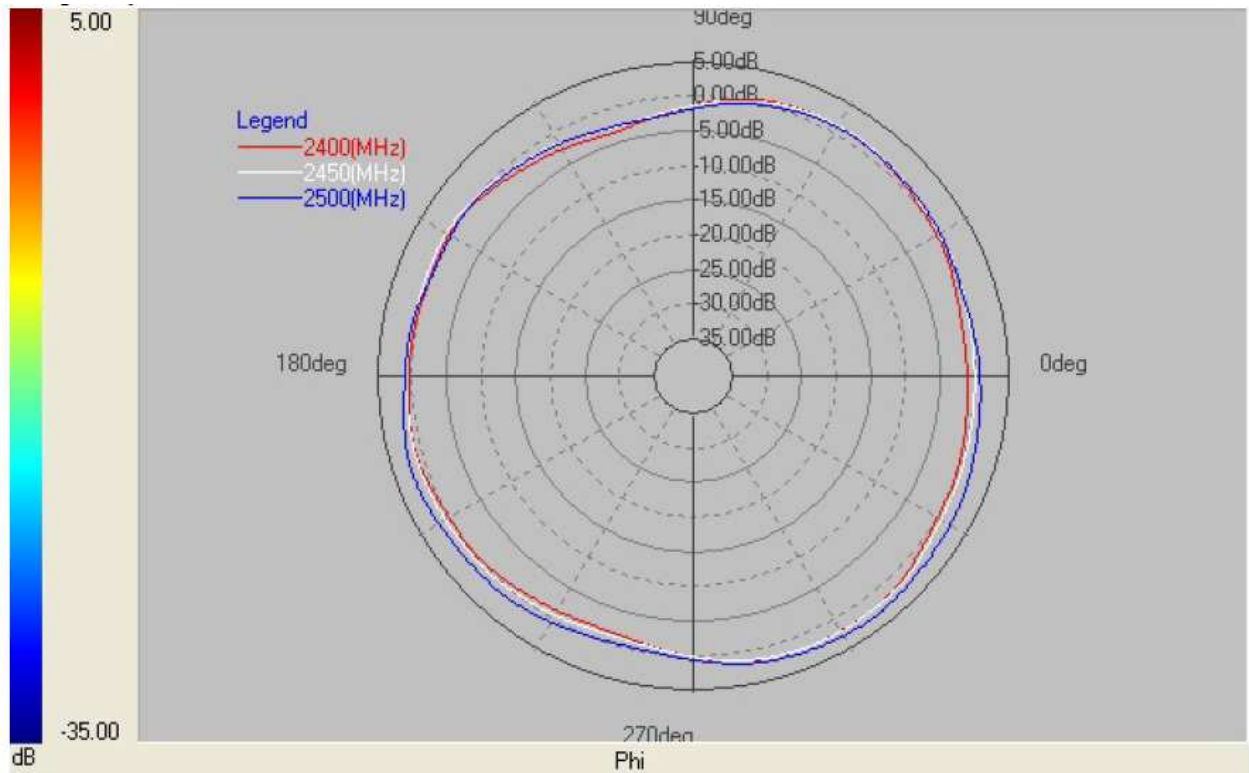
Frequency(MHz) : **2400~2500. X-Z Plane**



Layer	Max value	Average
2400(MHz)	3.14 dB	-3.75 dB
2450(MHz)	3.04 dB	-3.80 dB
2500(MHz)	2.95 dB	-3.59 dB



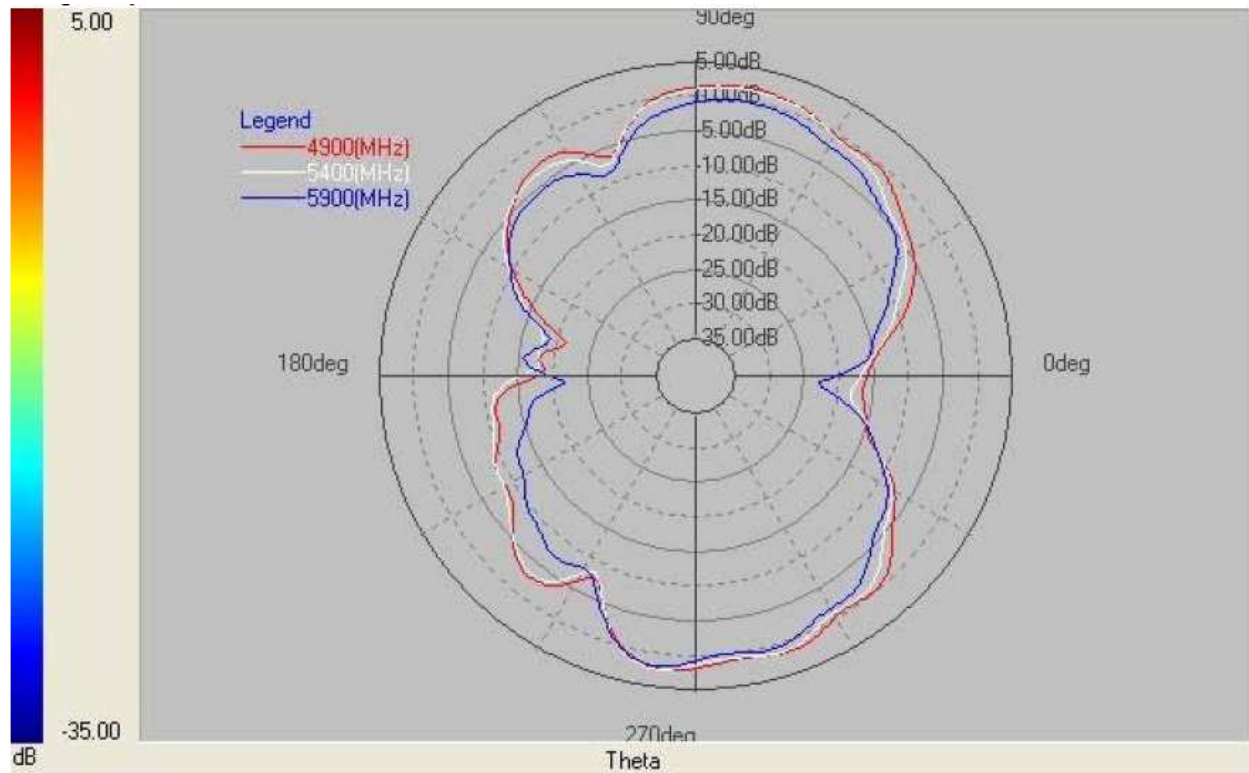
Frequency(MHz) : **2400~2500. X-Y Plane**



Layer	Max value	Average
2400(MHz)	2.00 dB	-0.13 dB
2450(MHz)	2.07 dB	0.26 dB
2500(MHz)	2.89 dB	0.68 dB



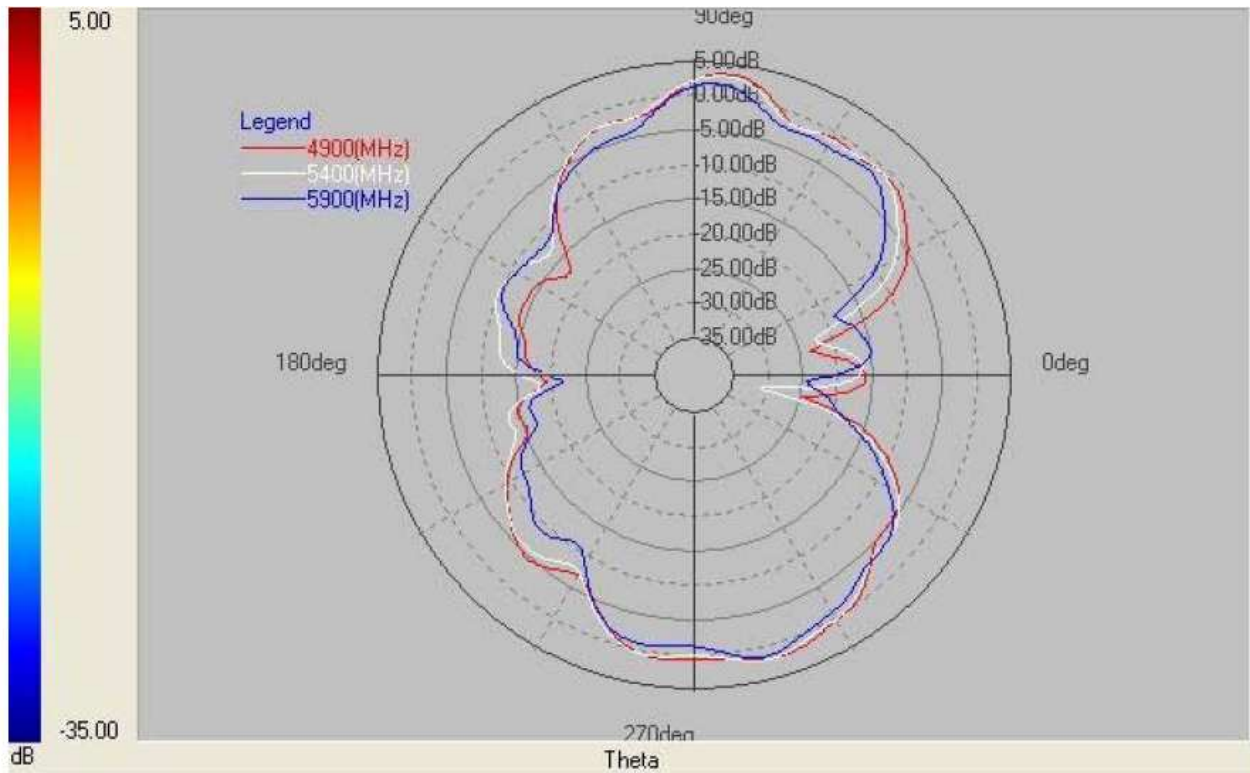
Frequency(MHz) : 4900~5900. Y-Z Plane



Layer	Max value	Average
4900(MHz)	2.03 dB	-3.94 dB
5400(MHz)	2.12 dB	-4.32 dB
5900(MHz)	1.70 dB	-5.80 dB



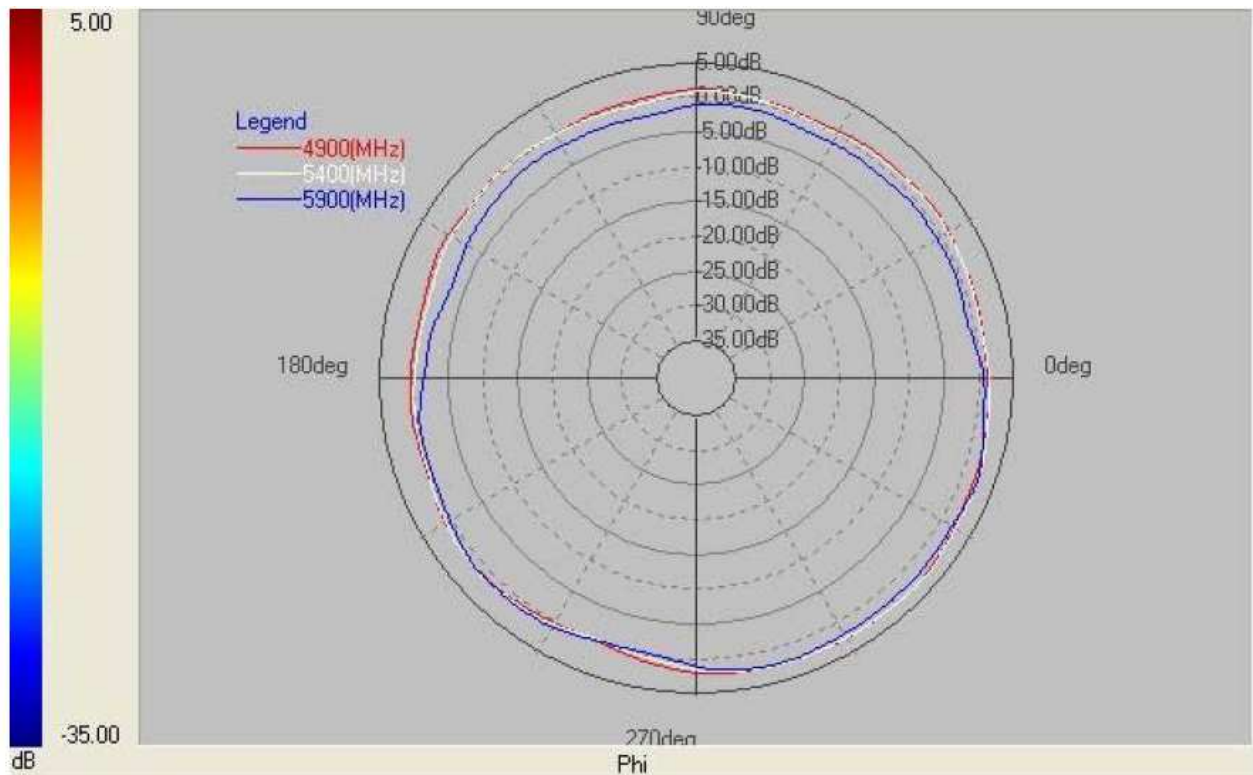
Frequency(MHz) : 4900~5900. X-Z Plane



Layer	Max value	Average
4900(MHz)	3.14 dB	-4.74 dB
5400(MHz)	2.80 dB	-4.77 dB
5900(MHz)	1.62 dB	-6.01 dB



Frequency(MHz) : 4900~5900. X-Y Plane



Layer	Max value	Average
4900(MHz)	3.19 dB	1.06 dB
5400(MHz)	3.04 dB	0.91 dB
5900(MHz)	3.23 dB	-0.14 dB

