

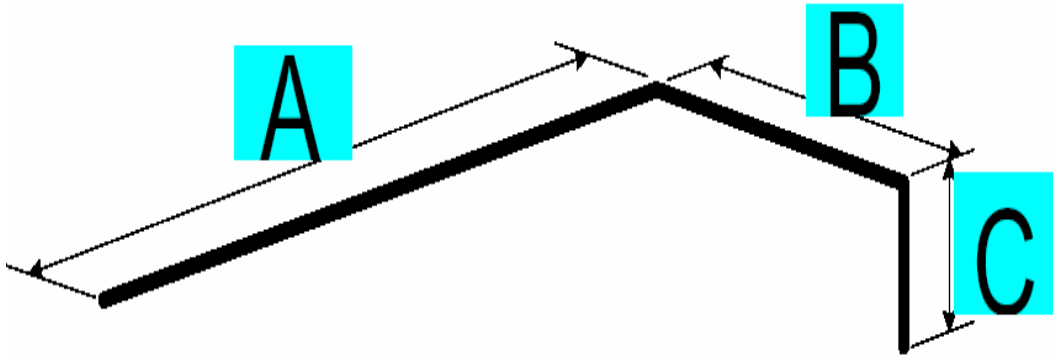
# **Internal Monopole Antenna**

## **Approval Sheet**

Model : AVP-2000B\_ANT

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## 1. Mechanical Drawing



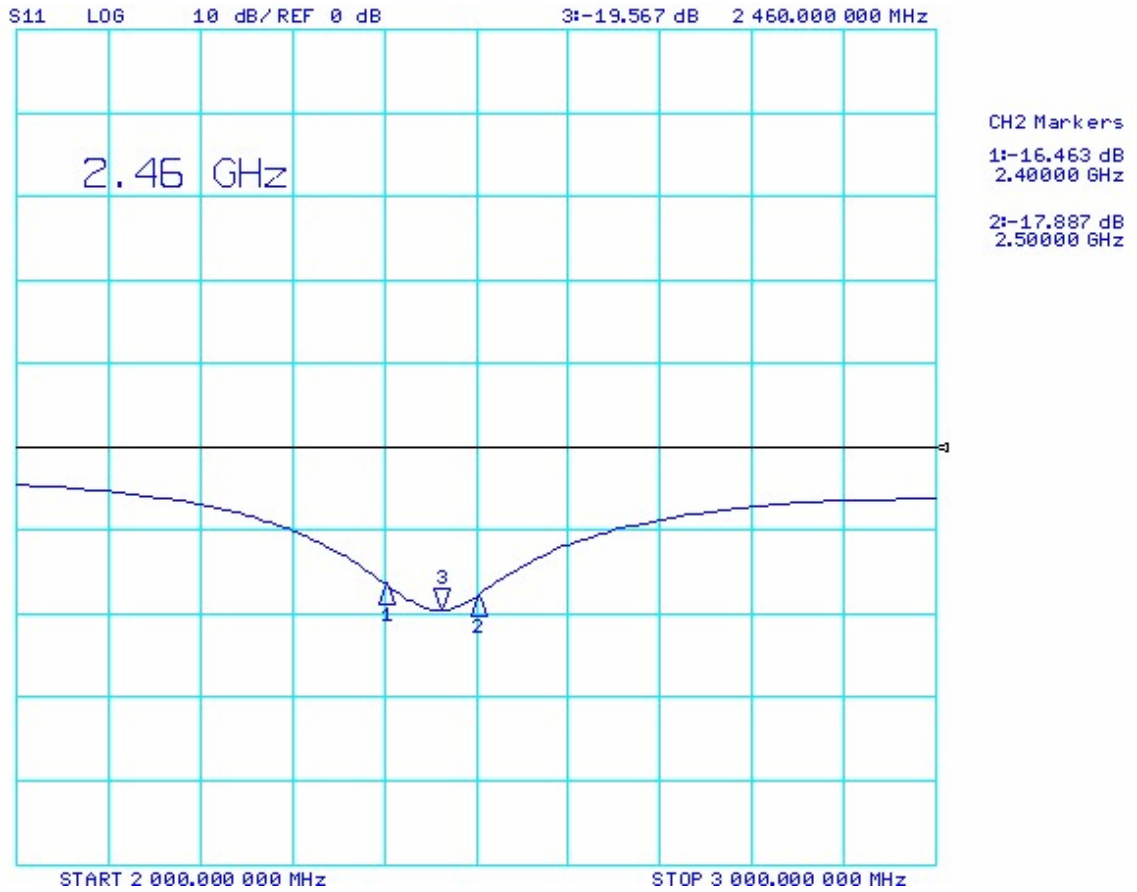
A : 23 mm, B : 7 mm, C : 5 mm

두께 : 1mm, 재질 : Cu

Antenna Gain (평균값): 0 dBi

Radiation Pattern	측정 주파수 (MHz)		
	2400	2450	2480
<b>Azimuth</b>	<b>0.18</b>	<b>- 0.25</b>	<b>- 0.42</b>
<b>Elevation</b>	<b>0.68</b>	<b>- 0.04</b>	<b>-1.28</b>

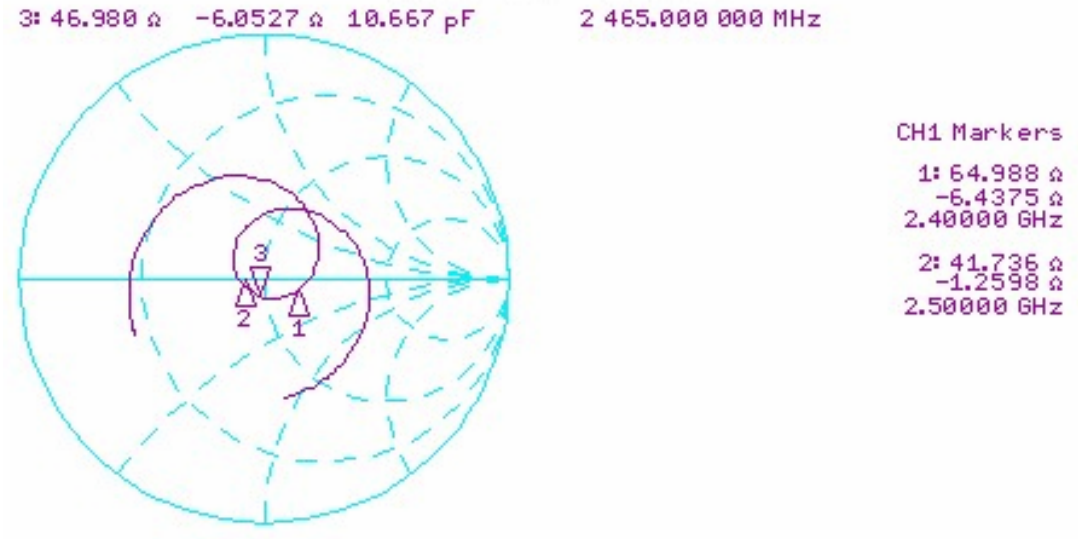
## 2. Log Magnitude



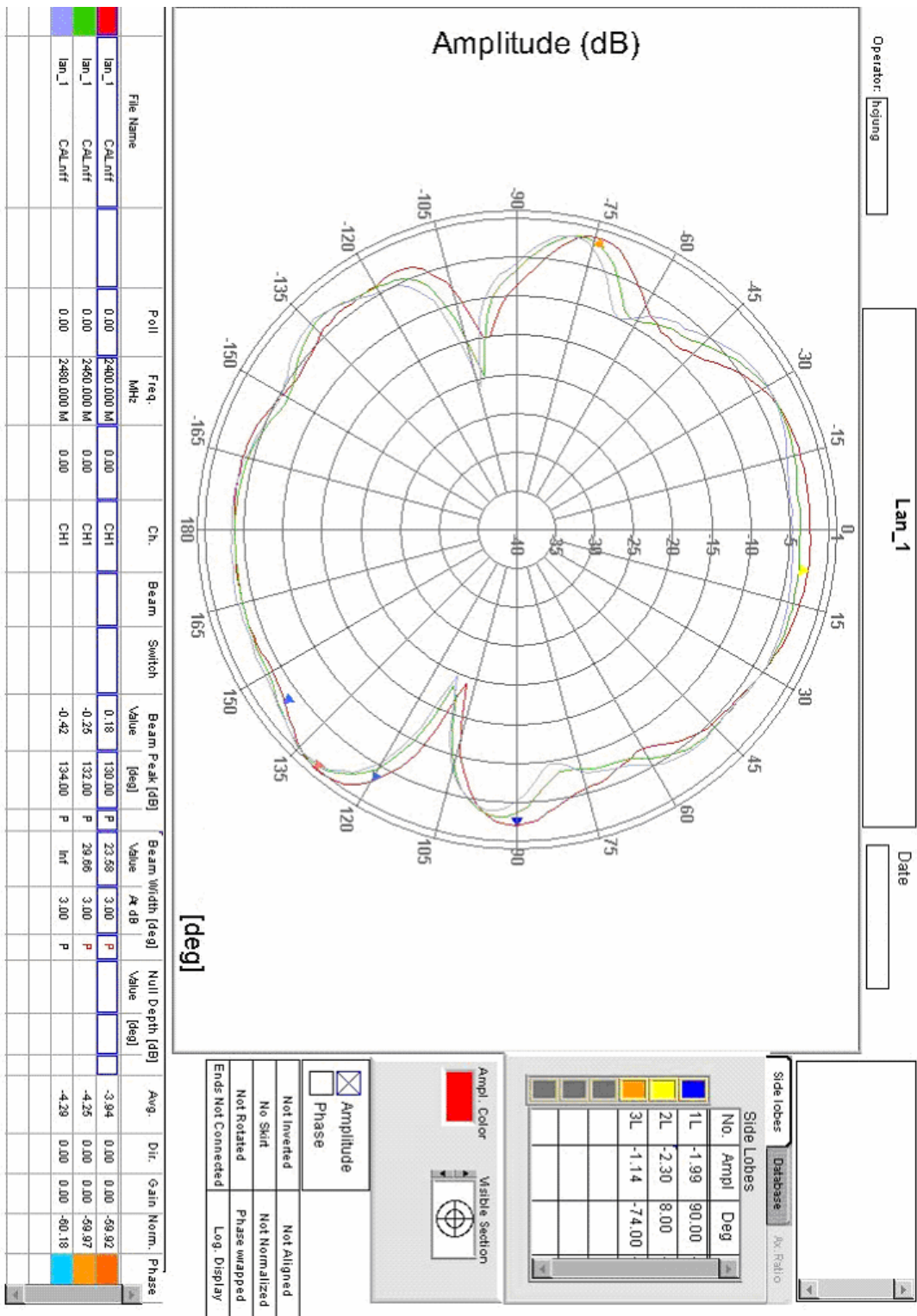
## 3. V.S.W.R



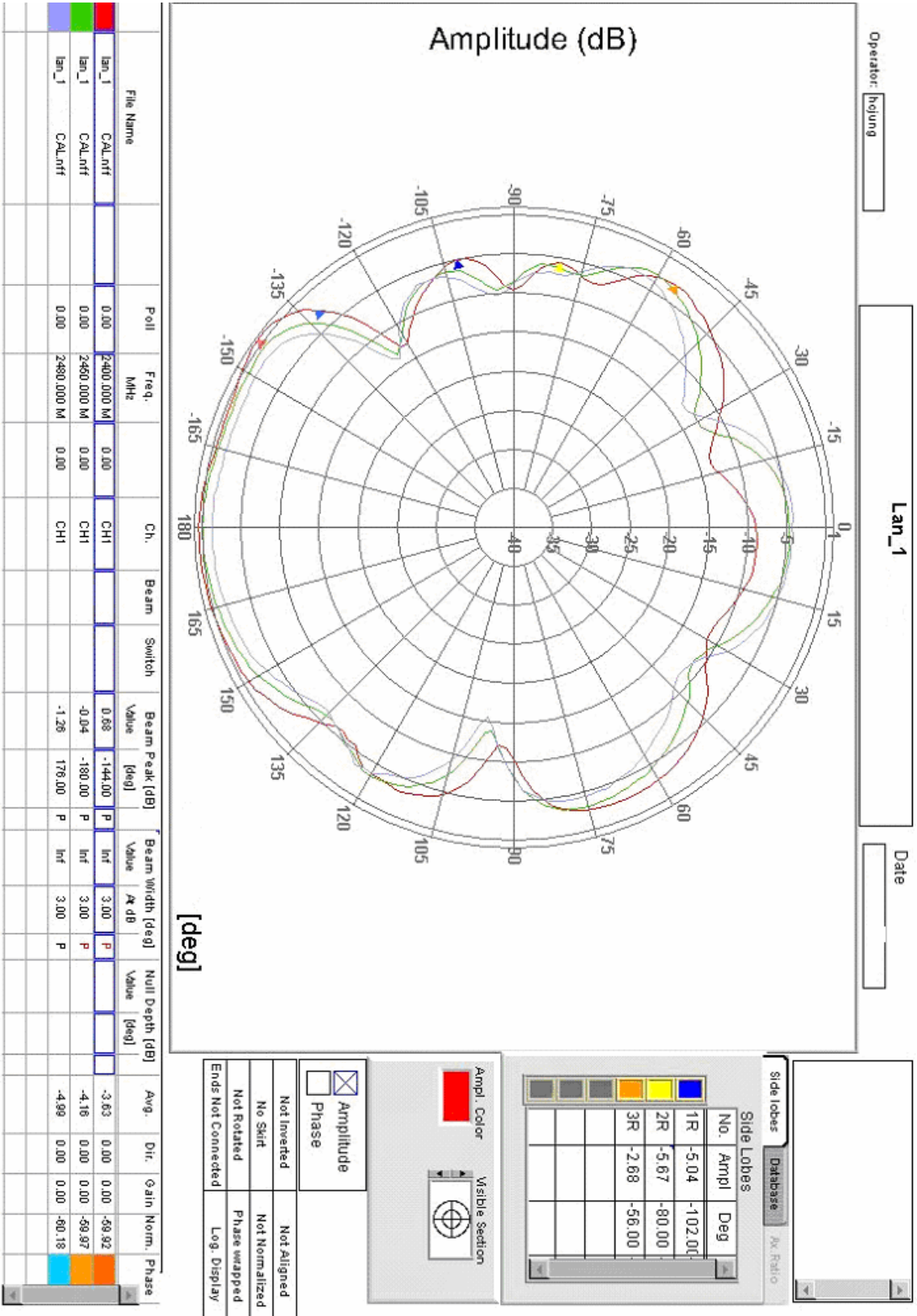
4. Smith chart



## 5. Radiation Pattern(Azimuth)

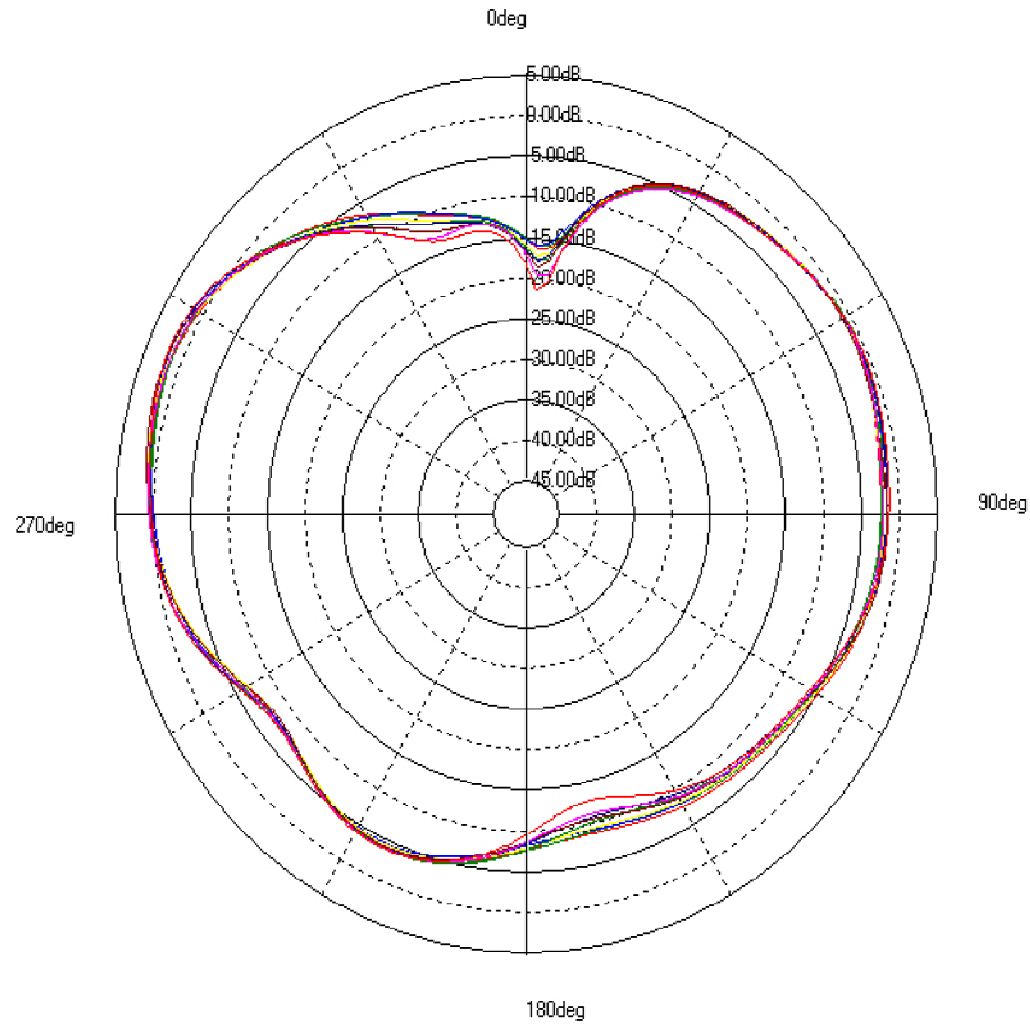


## 6. Radiation Pattern (Elevation)





- Legend
- 2400(MHz)
  - 2410(MHz)
  - 2420(MHz)
  - 2430(MHz)
  - 2440(MHz)
  - 2450(MHz)
  - 2460(MHz)
  - 2470(MHz)
  - 2480(MHz)



Theta

Layer	Max value	Position	Min val...	Position	Beam...	Average	Standar...	Marker 1 pos	Marker 1 val...	Marker 2 pos	Marker 2 val...
2400(MHz)	1.34 dB	-71.43 deg	-16.56 dB	2.88 deg	54.72 d...	-4.07 dB	4.84	----	----	----	----
2410(MHz)	1.32 dB	-68.57 deg	-16.25 dB	2.88 deg	58.80 d...	-4.01 dB	4.77	----	----	----	----
2420(MHz)	1.91 dB	-68.57 deg	-16.22 dB	2.84 deg	49.94 d...	-4.06 dB	4.81	----	----	----	----
2430(MHz)	1.67 dB	-71.43 deg	-17.43 dB	2.88 deg	50.46 d...	-4.19 dB	4.94	----	----	----	----
2440(MHz)	1.31 dB	-68.57 deg	-18.01 dB	2.88 deg	57.28 d...	-4.25 dB	5.01	----	----	----	----
2450(MHz)	2.04 dB	-68.57 deg	-18.09 dB	2.84 deg	51.75 deg	-4.13 dB	4.87	----	----	----	----
2460(MHz)	2.06 dB	-71.43 deg	-18.77 dB	2.84 deg	48.44 d...	-4.19 dB	4.92	----	----	----	----
2470(MHz)	1.51 dB	-68.57 deg	-19.85 dB	2.89 deg	55.63 d...	-4.31 dB	5.05	----	----	----	----
2480(MHz)	2.10 dB	-68.57 deg	-21.63 dB	2.88 deg	52.49 d...	-4.22 dB	4.93	----	----	----	----

Position  
Maximum  
Mask