

# APA-L5823

5.1~5.9GHz Wide Band Directional Panel Antenna 23dBi

APA-L5823 antennas are professionally engineered and manufactured with the highest industry quality at the lowest possible price providing extreme value.

APA-L5823 is designed for the 5.8GHz ISM band, supporting 5.1 to 5.9 GHz and provides superb performance in IEEE 802.11a WiFi applications.

APA-L5823 includes mounting bracket and hardware for up to 2" OD masts. Made with fiberglass



#### Applications:

5.1 - 5.9 GHz ISM Band  
5.3 GHz Band Applications  
5.4 GHz Band Applications  
5.8GHz UNII applications  
IEEE 802.11a Wireless LAN  
Unlicensed European 5.4 GHz Band Applications  
WiMAX Technology  
5.8 GHz Wireless Video Systems

#### Features :

Superior performance  
Light weight  
All weather operation  
DC Short lightning protection  
Installed for vertical  
Includes tilt and swivel mast mount  
Frequency Ultra-wide  
Can be installed for either vertical or horizontal polarization  
RoHS Compliant

<b>Model</b>	APA-L5823
<b>Frequency</b>	5.1-5.9GHz
<b>VSWR</b>	≤ 1.5
<b>Gain</b>	23dBi
<b>Polarization</b>	Vertical or Horizontal
<b>Power Handling</b>	50 Watts
<b>Impedance</b>	50 Ω
<b>Beam Width</b>	H: 8° / V: 8°
<b>Connector</b>	N Female
<b>Operation Temp</b>	-40°C ~ +80°C
<b>Dimension</b>	370*370 mm
<b>Mounting</b>	32 ~ 45 mm ( 1.2 ~1.75 inch )
<b>Weight (&amp;Mounting Bracket max)</b>	1030g

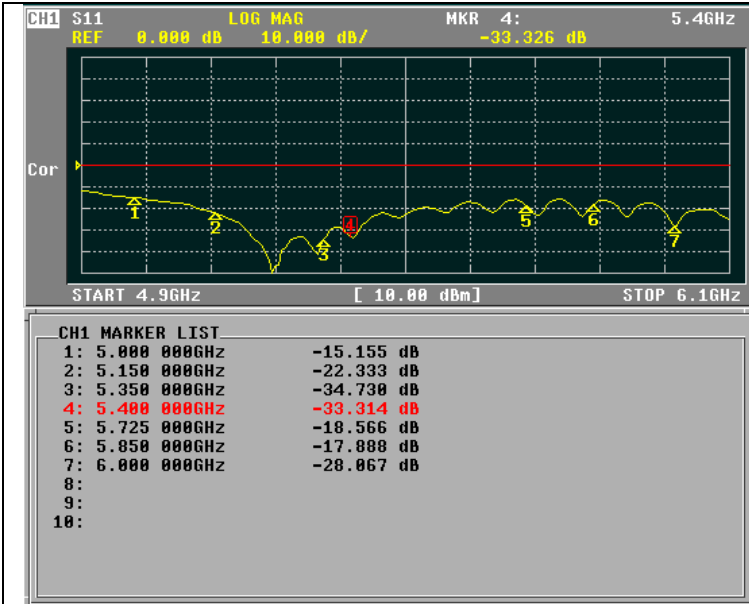
#### For further details:

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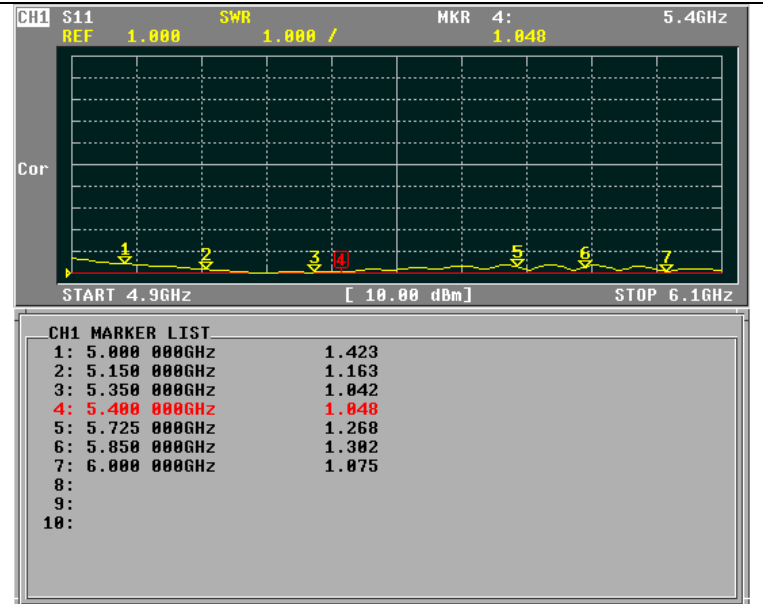
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## Network Analyzer Test Report



Return loss



V.S.W.R

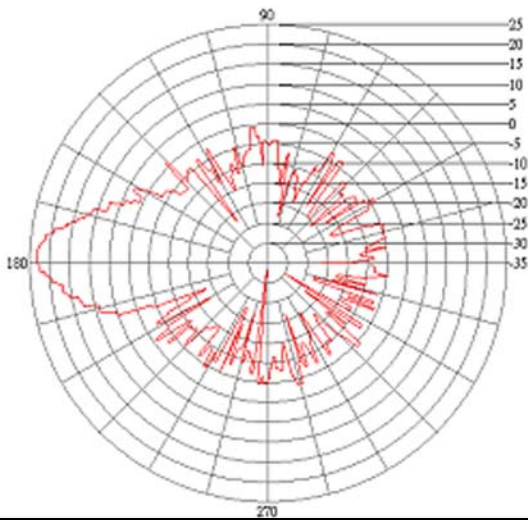
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## RF Chamber Test Report Frequency: 5.1 ~ 5.9GHz

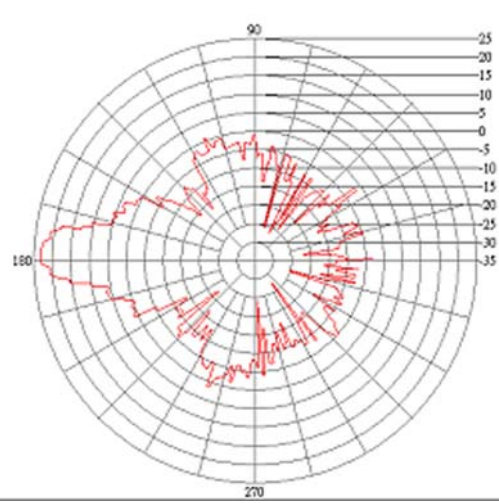
Frequency:5.1-5.9Ghz

E-plane co-pol ----- 3-dB beam-with=8 Deg



**Vertical Pattern**

H-plane co-pol ----- 3-dB beam-with=8 Deg



**Horizontal Pattern**

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## Mounting Kits Install Guide

