

LB-65180-25-C-ENM Multi Octave Horn Antenna 6.5-18GHz 25dB Gain Endlaunch N Type Male

Multi Octave Horn Antenna Operating From 6.5GHz to 18GHz With a Nominal 25dB Gain With Endlaunch N Type Male Connector

### Product Information

SKU	LB-65180-25-C-ENM
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### Description

Multi octave horn antenna LB-65180-25-C-ENM, operating from 6.5 to 18GHz with a nominal 25dB gain and low VSWR 1.5:1 with Endlaunch N Type Male output connector. The model LB-65180-25-C-ENM has uniform gain through its frequency span, providing efficient performance characteristics and directionality. It can handle 150W continuously and 3000W peak power. Constructed of lightweight corrosion-resistant aluminum, the antenna will provide years of trouble-free indoor and outdoor service. This multi octave horn antenna is linearly polarized and ideally suited for EMI testing, direction finding, surveillance, antenna gain and pattern measurements and other applications.

## Technical Specification

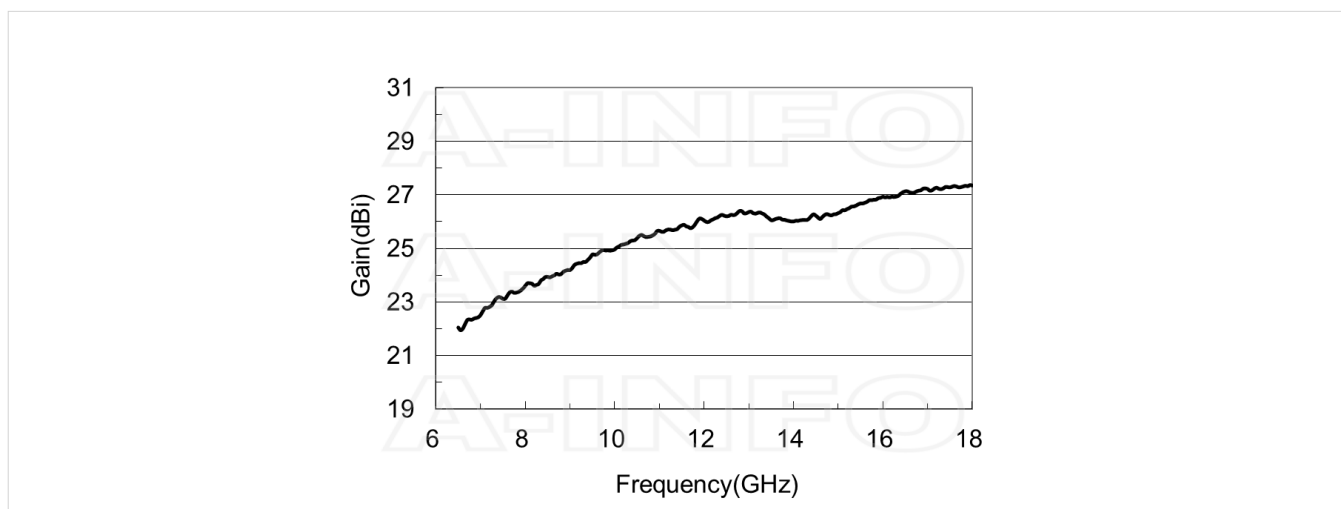
Electrical Specification		Interface	
Frequency, Min (GHz)	6.5	Output Type	Coaxial
Frequency, Max (GHz)	18	Connector	N Type
Waveguide Type	Double Ridge	Connector Gender	Male
Waveguide Size EIA WRD	WRD650	Mechanical Specification	
Gain, Typ (dBi)	25	Figure	C Type
Polarization	Linear	Body Material	Al
3dB Beamwidth, E-Plane, Min (Deg.)	5	Finish	Passivation and Chemical Conversion Coating, Gray Paint
3dB Beamwidth, E-Plane, Max (Deg.)	13	Size, W (mm)	229
3dB Beamwidth, H-Plane, Min (Deg.)	6	Size, H (mm)	200
3dB Beamwidth, H-Plane, Max (Deg.)	14	Size, L (mm)	773.7
Cross Pol. Isolation, Typ (dB)	30	Weight, (kg)	2.58
VSWR, Typ	1.5:1		
Impedance, (Ohm)	50		
Power Handling, CW, (W)	150		
Power Handling, Peak, (W)	3000		

## Additional Information

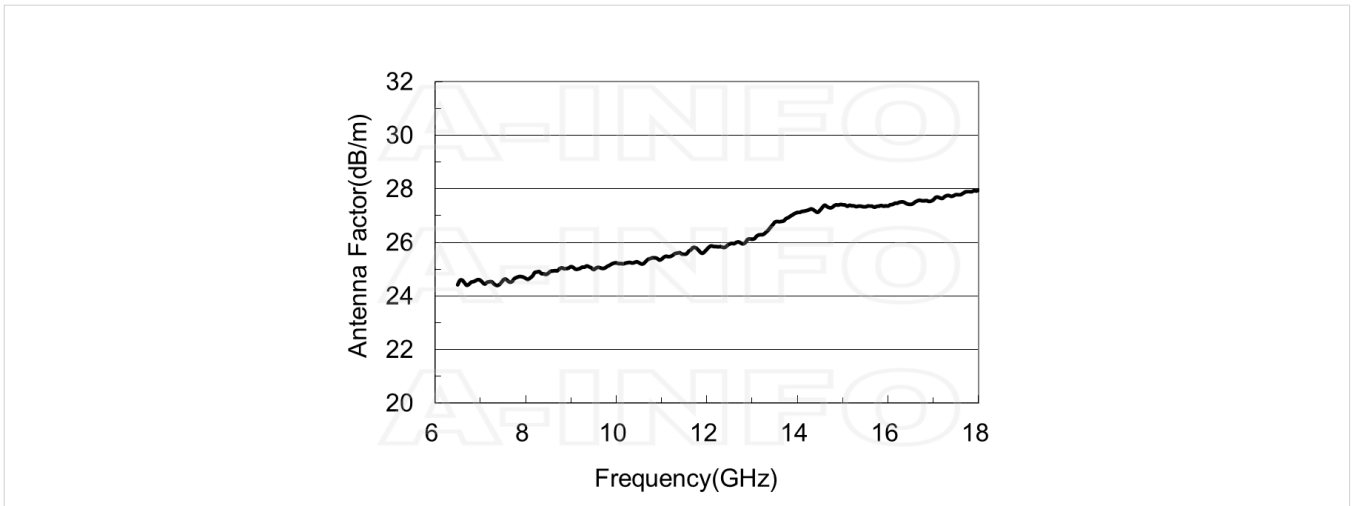
Application	General Purpose Indoor & Outdoor, Fixed	Solution for	Gain Reference Antenna Measurement Far-field Measurement System Intergration
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## Typical Test Results

### Gain



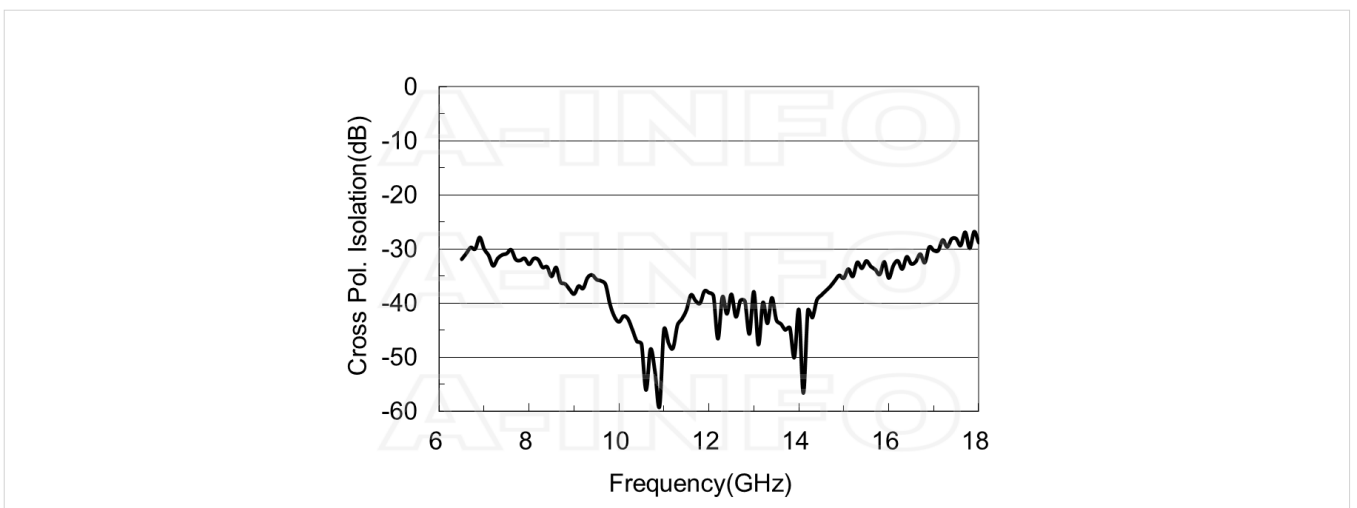
## Antenna Factor



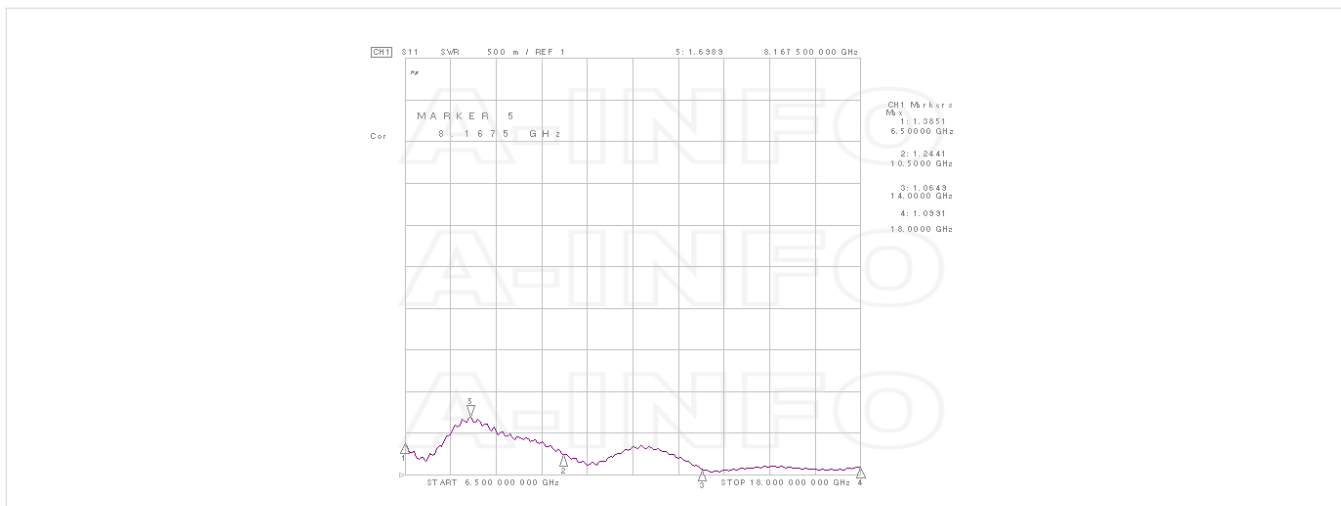
## Antenna Factor (Table)

Frequency(GHz)	Gain(dBi)	AF(dB/m)
6.5	22.05	24.42
7.0	22.52	24.59
8.0	23.61	24.66
9.0	24.20	25.10
10.0	24.97	25.24
11.0	25.66	25.38
12.0	26.05	25.75
13.0	26.36	26.13
14.0	26.01	27.12
15.0	26.32	27.41
16.0	26.93	27.36
17.0	27.22	27.59
18.0	27.35	27.96

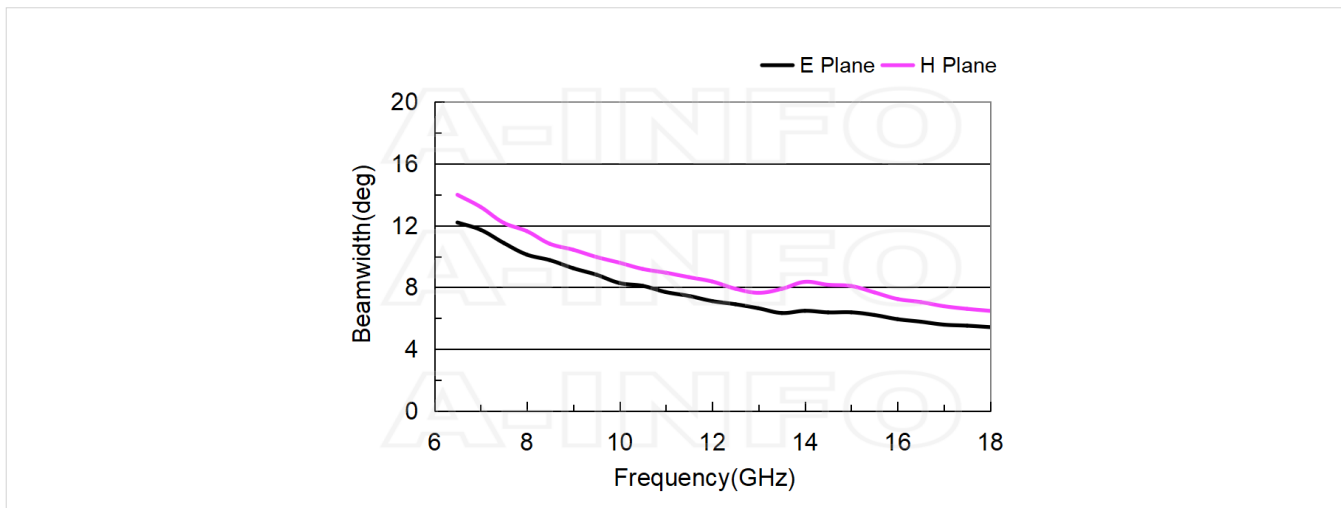
## Cross Polarization Isolation



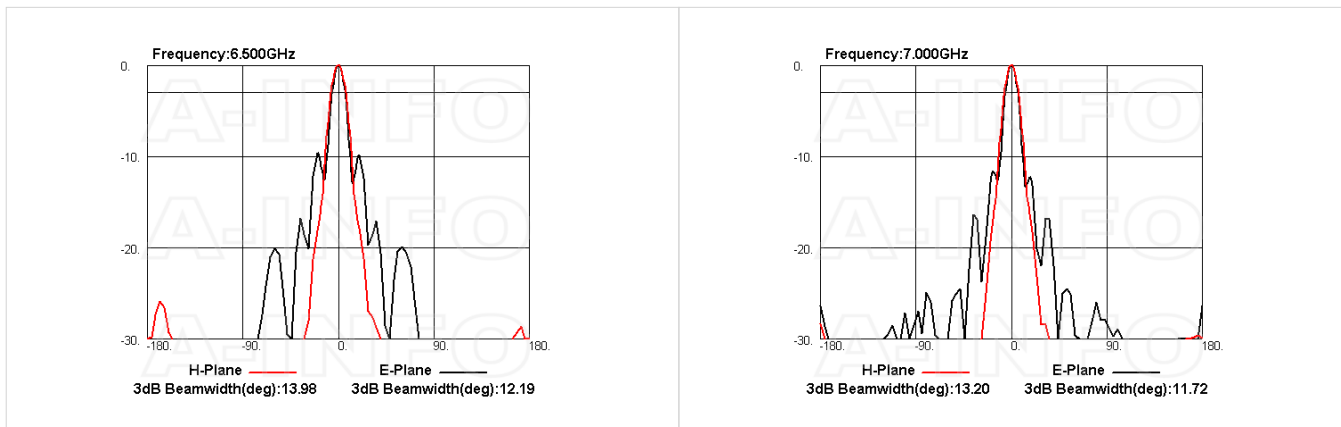
## VSWR

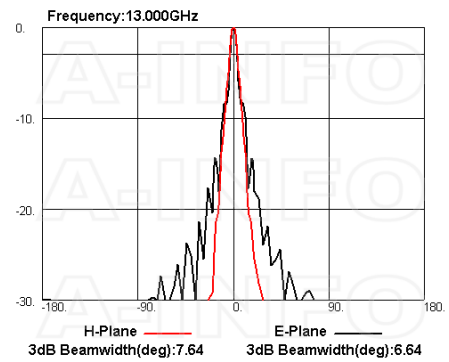
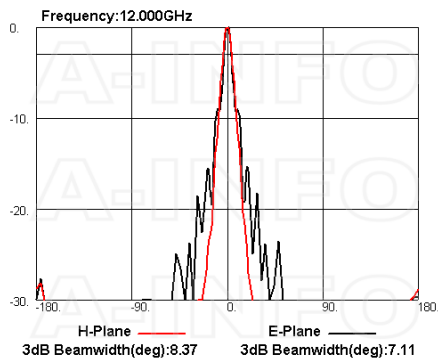
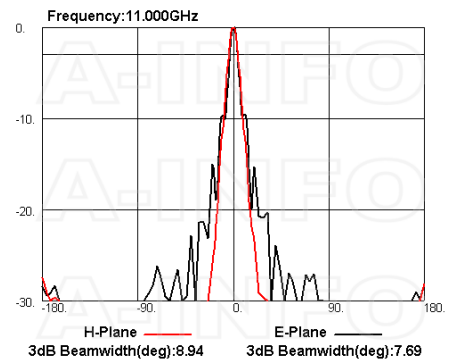
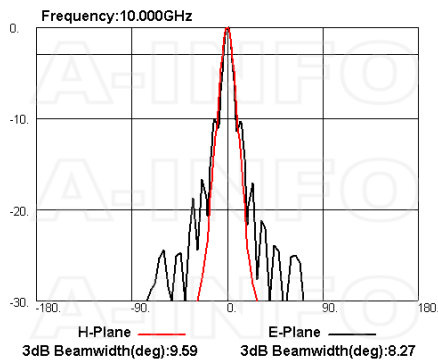
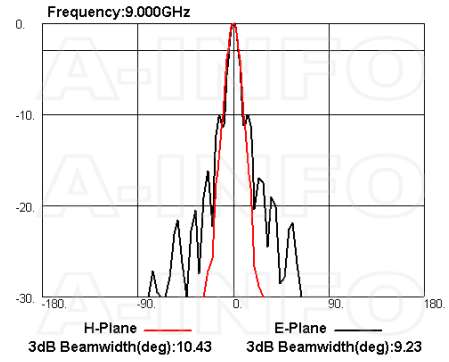
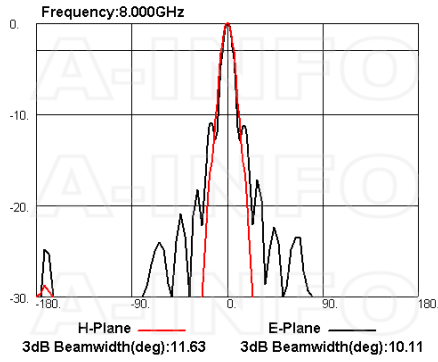


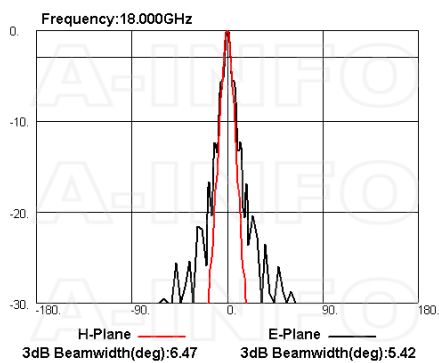
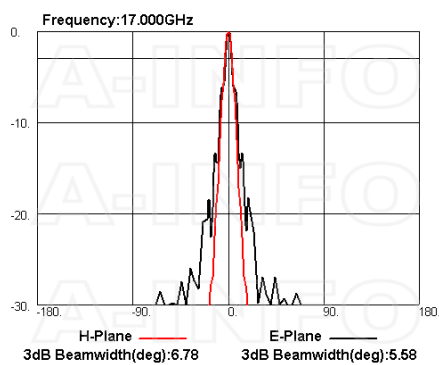
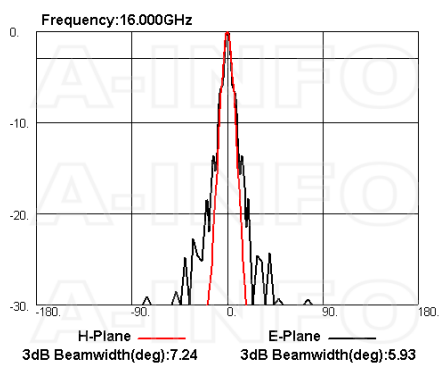
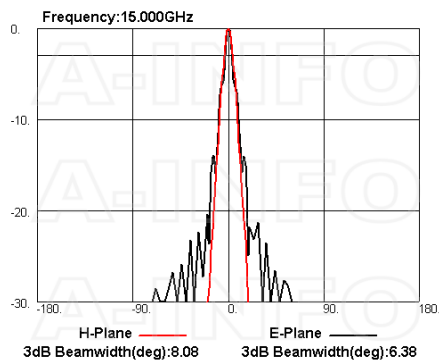
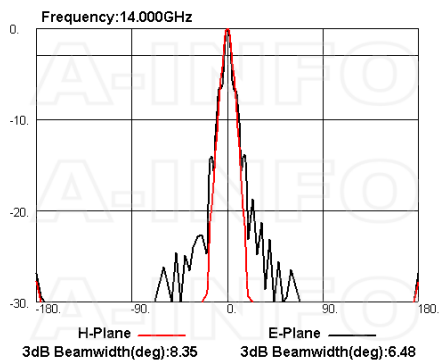
## Beamwidth



## Pattern







## Related Products



LB-90-25-MB2 Round Type Mounting Bracket



LB-90-25-L2 L Type Mounting Bracket



Tripod\_15Kg Al Alloy Tripod



3033HL Wooden Tripod



3033QM Wooden Tripod Metalfree



NM-NM-A050-1000 Flexible Cable Assembly 1000mm DC-18GHz N Male to N Male



NM-NM-A050-1500 Flexible Cable Assembly 1500mm DC-18GHz N Male to N Male



NM-NM-A050-2000 Flexible Cable Assembly 2000mm DC-18GHz N Male to N Male



NM-NM-A050-3000 Flexible Cable Assembly 3000mm DC-18GHz N Male to N Male



NM-NM-A050-5000 Flexible Cable Assembly 5000mm DC-18GHz N Male to N Male



NM-NM-A050-10000 Flexible Cable Assembly 10000mm DC-18GHz N Male to N Male



NM-NM-A050-20000 Flexible Cable Assembly 20000mm DC-18GHz N Male to N Male



NM-NM-A100-500 Flexible Cable Assembly 500mm DC-18GHz N Male to N Male



NM-NM-A100-1000 Flexible Cable Assembly 1000mm DC-18GHz N Male to N Male



NM-NM-A100-1500 Flexible Cable Assembly 1500mm DC-18GHz N Male to N Male



NM-NM-A100-2000 Flexible Cable Assembly 2000mm DC-18GHz N Male to N Male



NM-NM-A100-3000 Flexible Cable Assembly 3000mm DC-18GHz N Male to N Male



NM-NM-A100-5000 Flexible Cable Assembly 5000mm DC-18GHz N Male to N Male



NM-NM-A100-10000 Flexible Cable Assembly 10000mm DC-18GHz N Male to N Male



NM-NM-A100-20000 Flexible Cable Assembly 20000mm DC-18GHz N Male to N Male

## About this Datasheet

<ul style="list-style-type: none"> <li>● <b>Product Information</b> Product Link: <a href="https://www.ainfoinc.com/lb-65180-25-c-enm-multi-octave-horn-antenna-6-5-18-ghz-25db-gain-endlaunch-n-type-male">https://www.ainfoinc.com/lb-65180-25-c-enm-multi-octave-horn-antenna-6-5-18-ghz-25db-gain-endlaunch-n-type-male</a> Data subject to change without notice. © A-INFO INC. 2024. All Rights Reserved</li> </ul>	<ul style="list-style-type: none"> <li>● <b>Contact Us</b> Address: 60 Tesla, Irvine, CA 92618, USA  Website: <a href="http://www.ainfoinc.com">www.ainfoinc.com</a>  Email: <a href="mailto:sales@ainfoinc.com">sales@ainfoinc.com</a></li> </ul>	<ul style="list-style-type: none"> <li>● <b>Phone &amp; Fax</b> Phone: +1-949-639-9688 +1-949-639-9608  Fax: +1-949-639-9670</li> </ul>
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