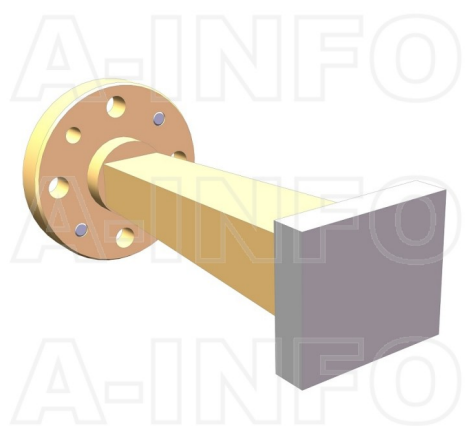


LB-15-10-ASPO Standard Gain Horn Antenna 50-75GHz 10dB Gain
Rectangular Waveguide Interface

Standard Gain Horn Antenna Operating From 50GHz to 75GHz With a Nominal 10dB Gain With Rectangular Waveguide Interface

Product Information

SKU	LB-15-10-ASPO
-----	---------------

Description

Standard Gain Horn Antenna LB-15-10-ASPO, operating from 50 to 75GHz with a nominal 10dB gain and low VSWR 1.4:1 with FUGP620 output. The model LB-15-10-ASPO has uniform gain through its frequency span, providing efficient performance characteristics and directionality. Constructed of lightweight corrosion-resistant aluminum, the horn comes with a specially designed weatherproof radome which provides excellent protection against the rain and dust but has very little loss across the full operating frequency band. This standard gain horn antenna is linearly polarized and ideally suited for EMI testing, direction finding, surveillance, antenna gain and pattern measurements and other applications.

Technical Specification

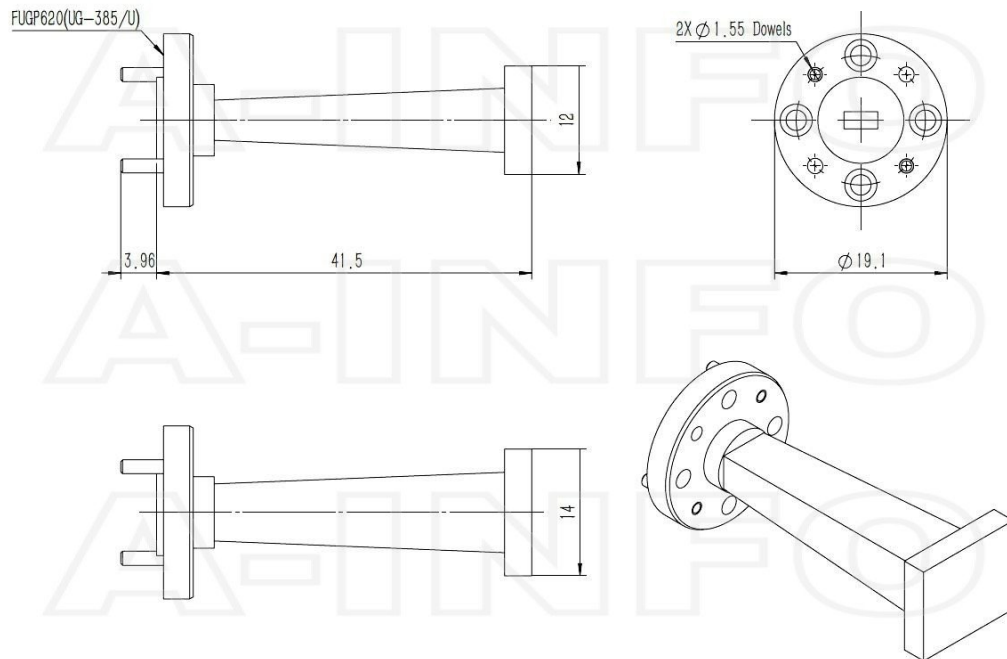
Electrical Specification		Interface	
Frequency, Min (GHz)	50	Output Type	Waveguide
Frequency, Max (GHz)	75	Flange Style	Round
Waveguide Type	Rectangular	Flange Type	Cover
Waveguide Size EIA WR	WR15	Flange Designation	FUGP620(UG-385/U)
Gain, Typ (dBi)	10	Connector Gender	N/A
Polarization	Linear	Mechanical Specification	
3dB Beamwidth, E-Plane, Typ (Deg.)	45	Figure	A Type
3dB Beamwidth, H-Plane, Typ (Deg.)	43	Body Material	Cu
Cross Pol. Isolation, Typ (dB)	35	Finish	Gold Plated, Gray Paint
VSWR, Typ	1.4:1	Size, W (mm)	19.1
		Size, H (mm)	19.1
		Size, L (mm)	41.5
		Weight, (kg)	0.02

Additional Information

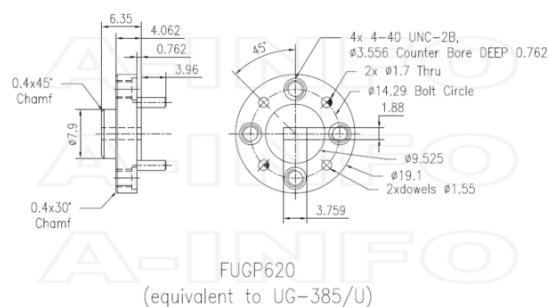
Application	Outdoor, Waterproof and Dustproof, Fixed	Solution for	Gain Reference Antenna Measurement Reflector Feed Far-field Measurement System Intergration Material Measurement
-------------	--	--------------	---

Outline Drawing

FUGP620 Output with Radome (Option, P/N: LB-15-10-ASPO, Outdoor Application)

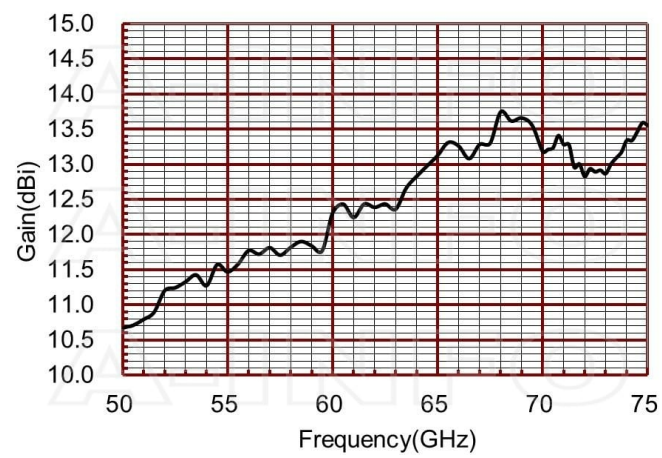


Flange Drawing

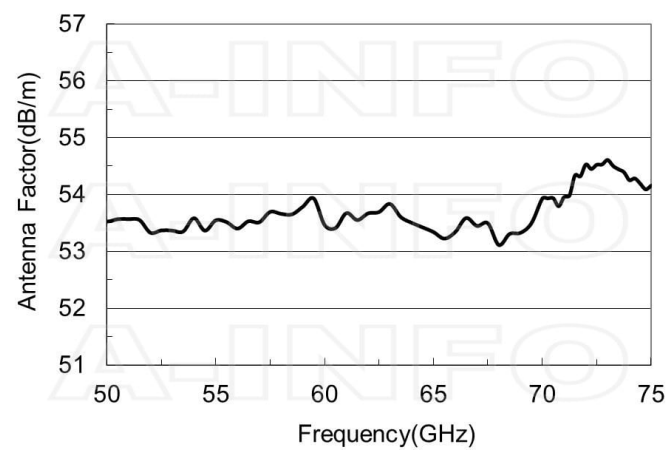


Typical Test Results

Gain



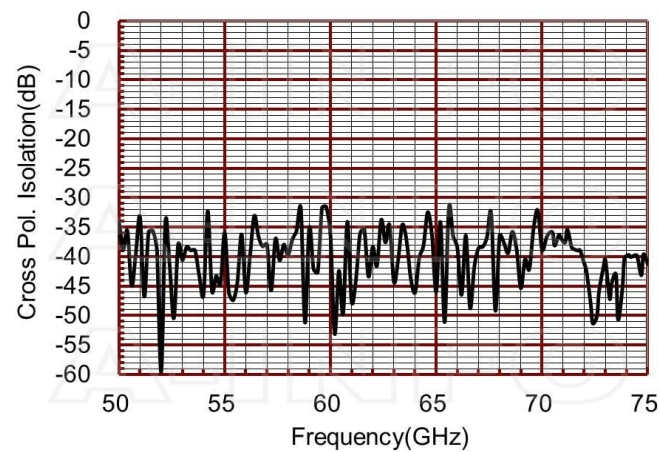
Antenna Factor



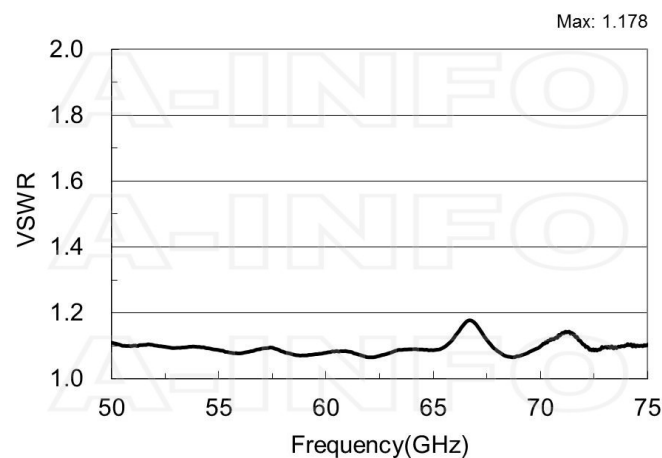
Antenna Factor (Table)

Frequency(GHz)	Gain(dBi)	Antenna Factor(dB/m)
50	10.66	53.53
52	11.20	53.33
54	11.27	53.58
56	11.77	53.40
58	11.82	53.66
60	12.31	53.46
62	12.39	53.67
64	12.83	53.50
66	13.26	53.34
68	13.75	53.11
70	13.18	53.93
72	12.83	54.53
74	13.34	54.25
75	13.55	54.16

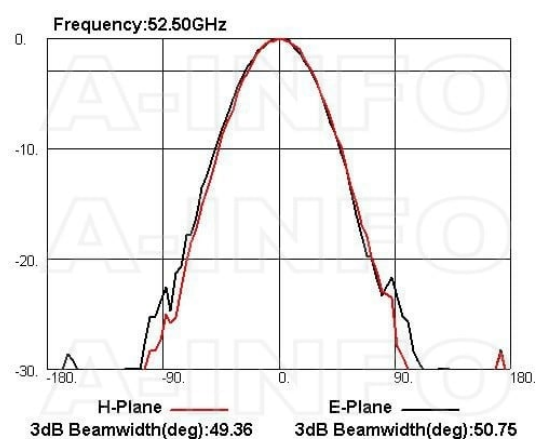
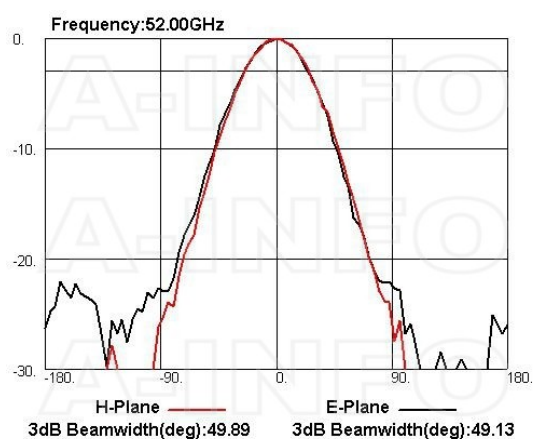
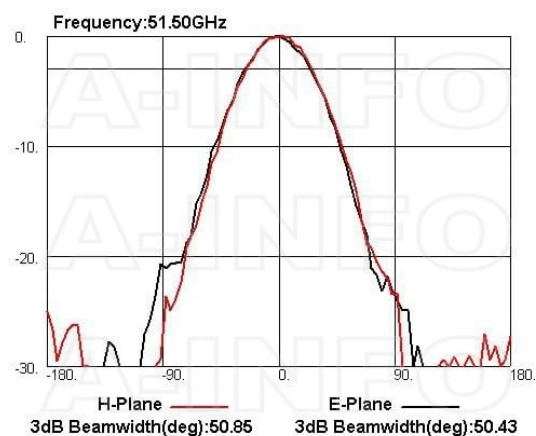
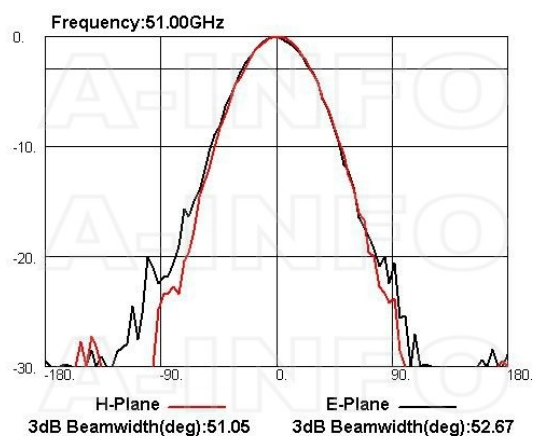
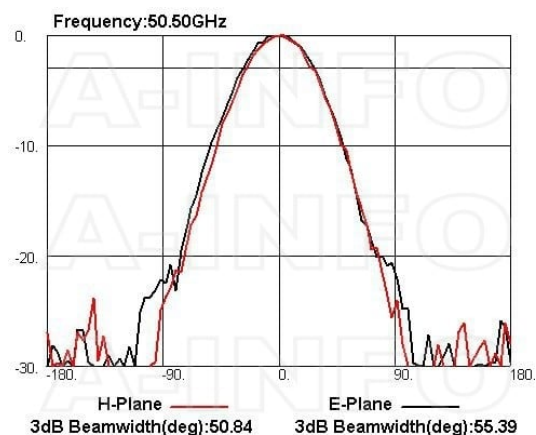
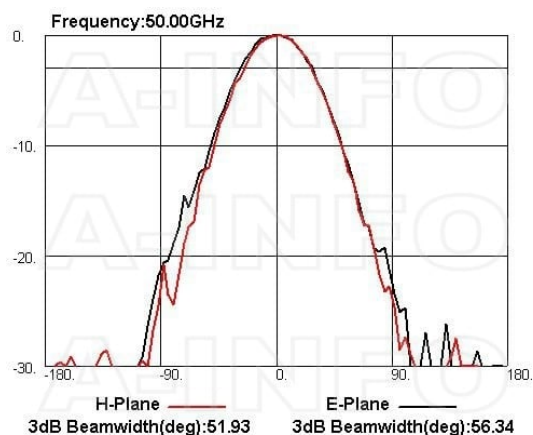
Cross Polarization Isolation

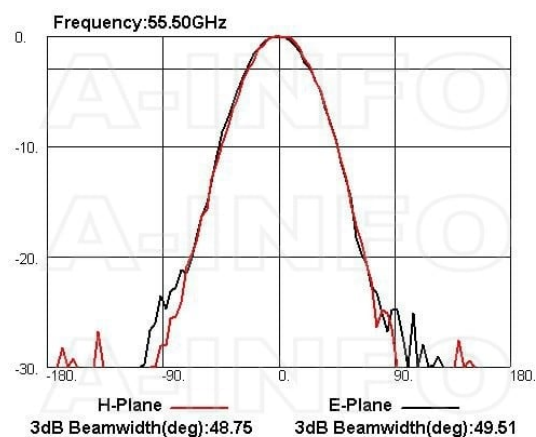
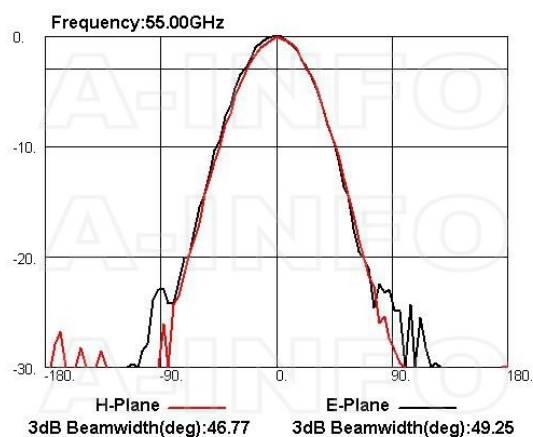
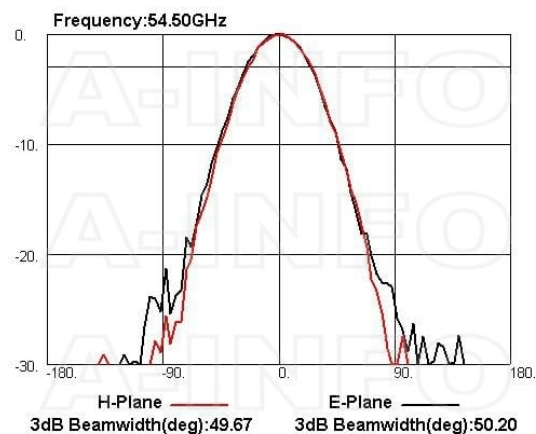
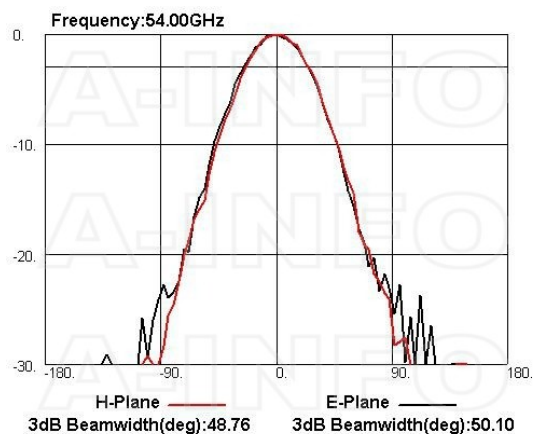
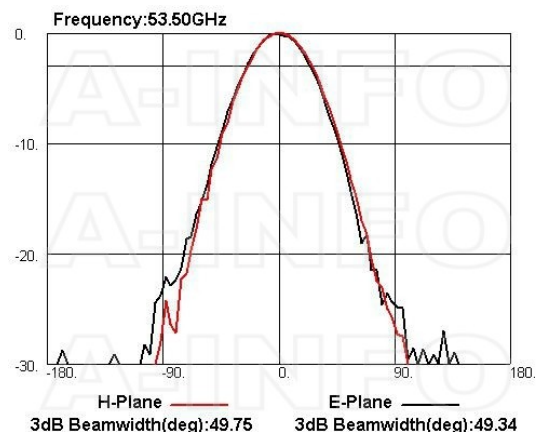
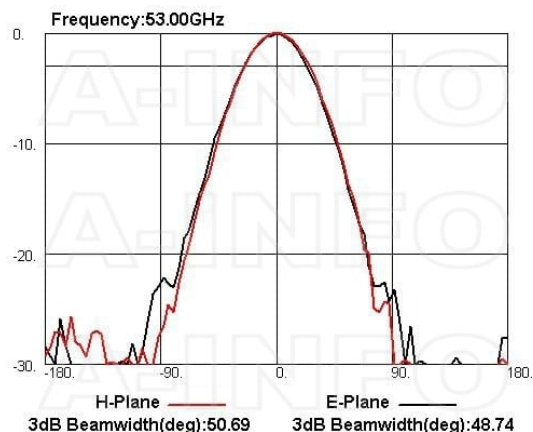


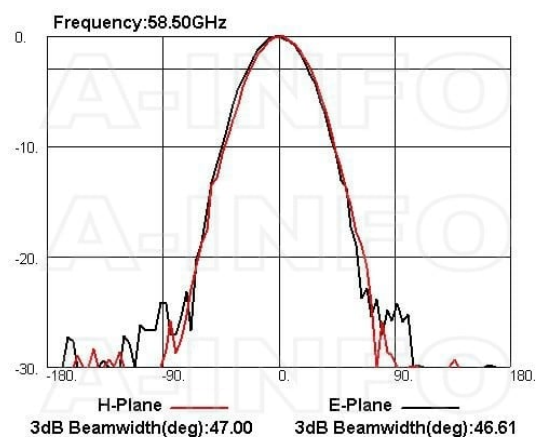
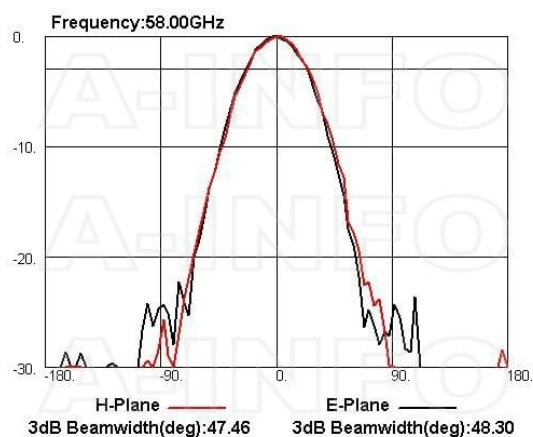
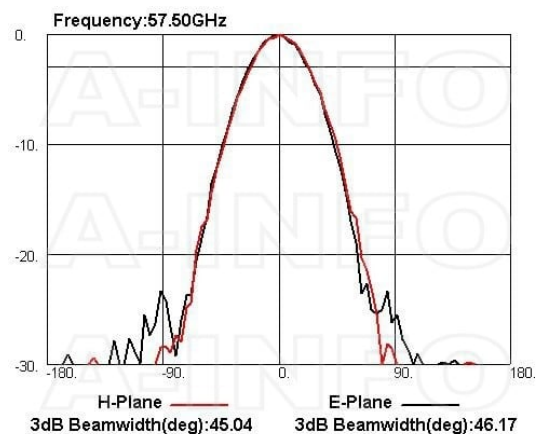
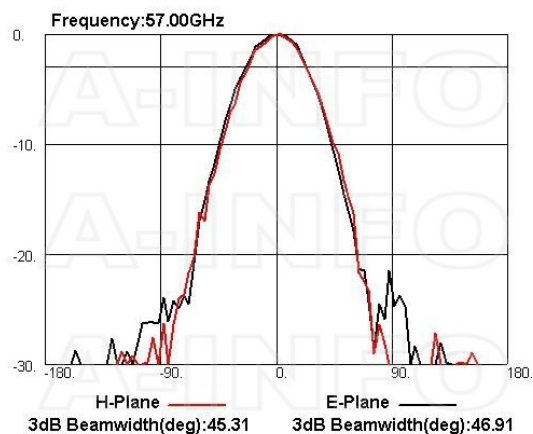
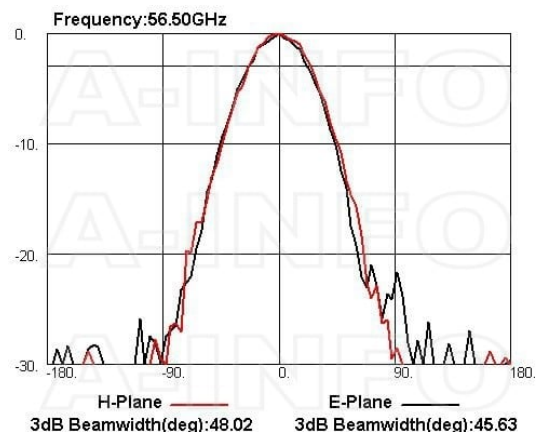
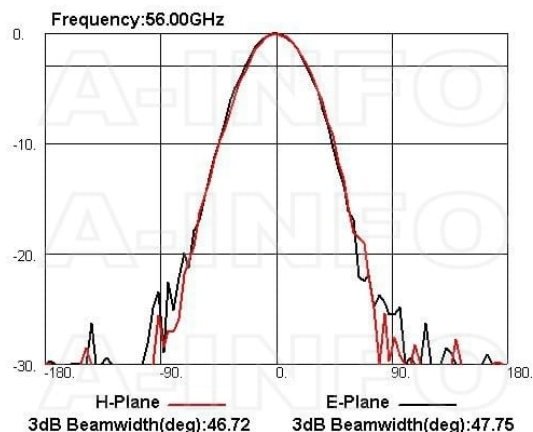
VSWR

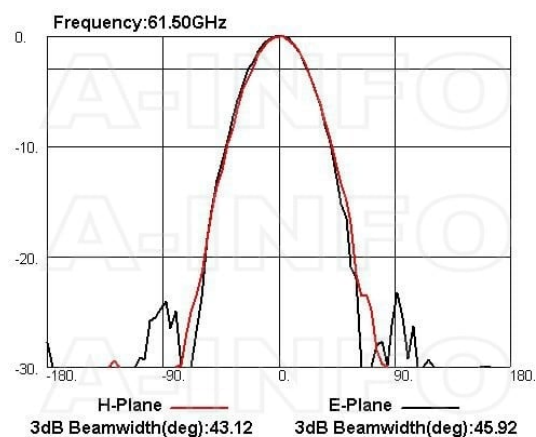
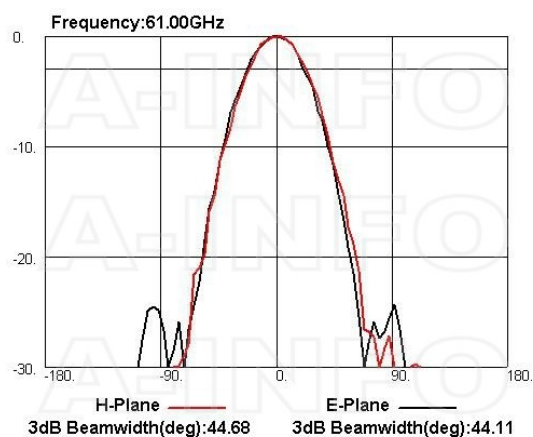
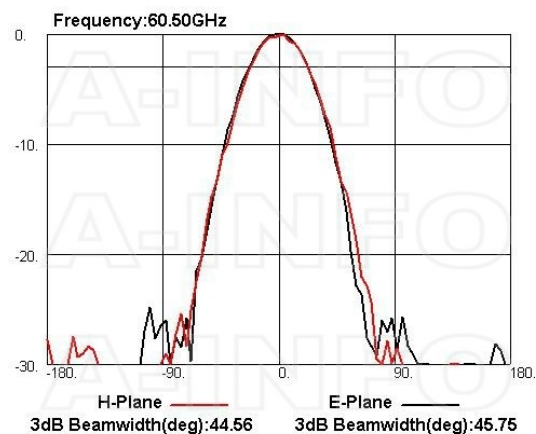
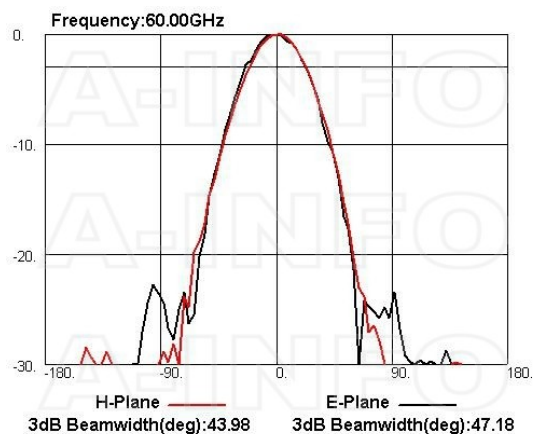
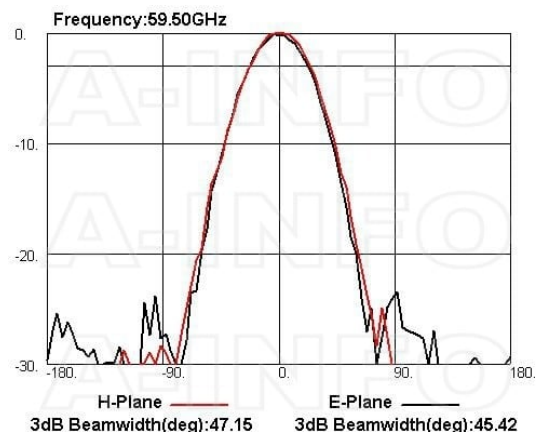
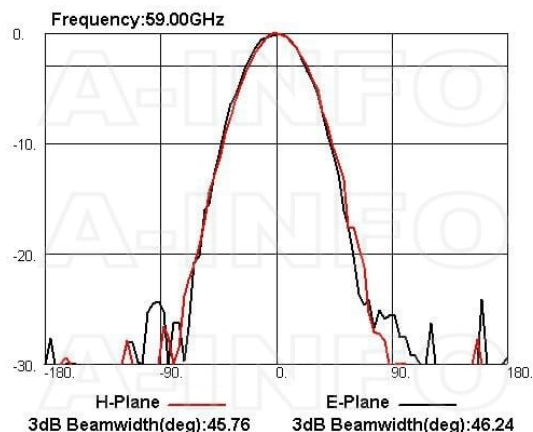


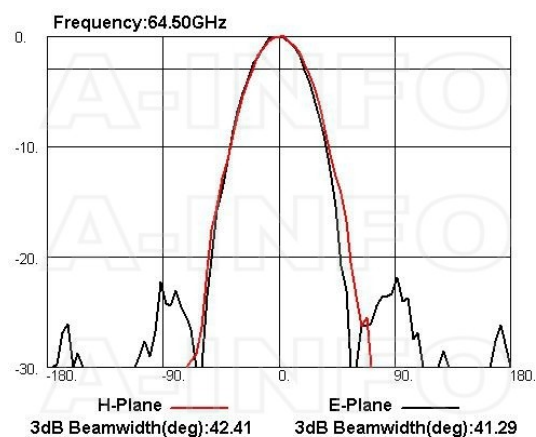
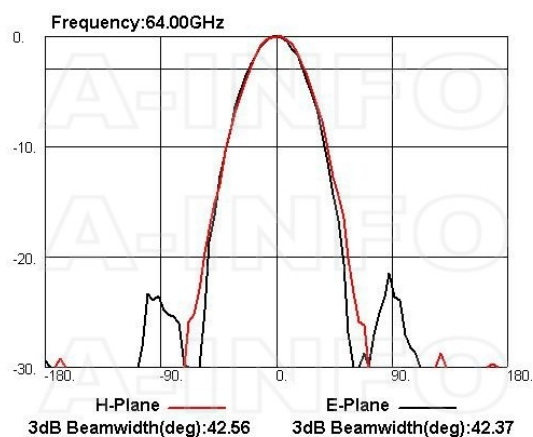
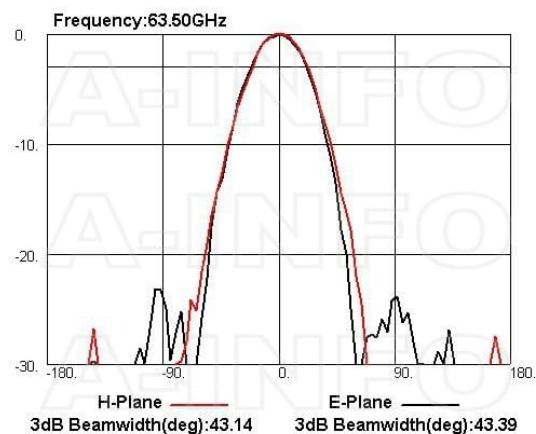
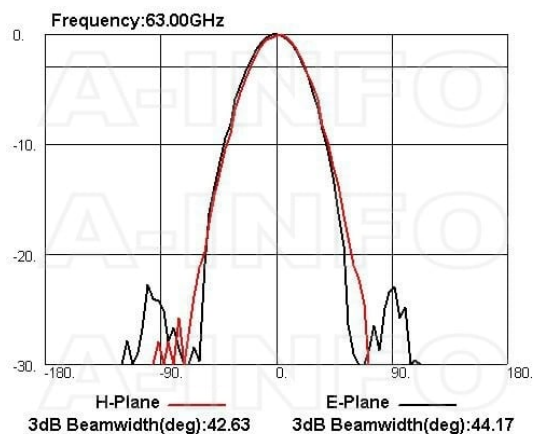
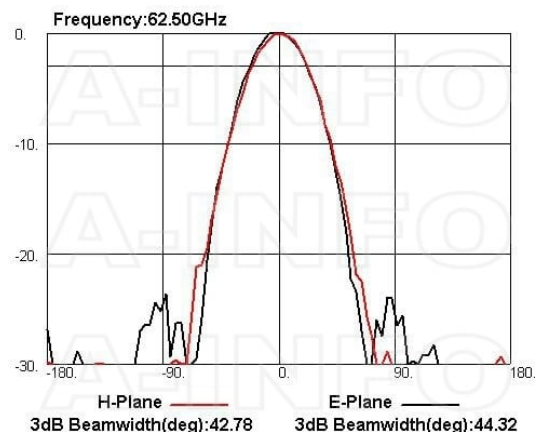
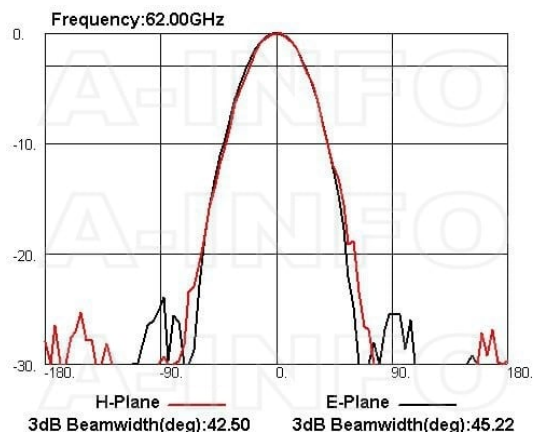
Pattern

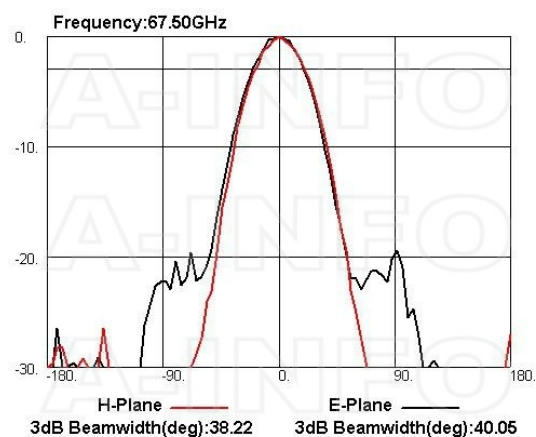
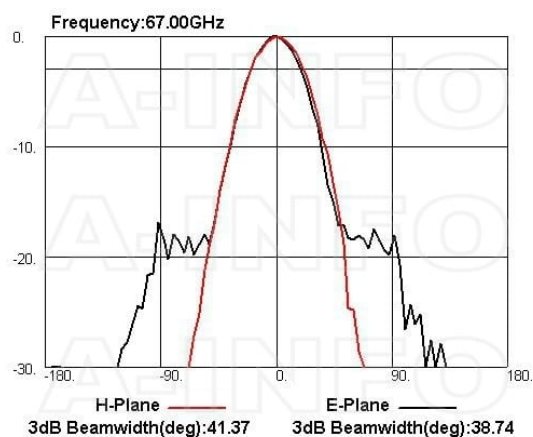
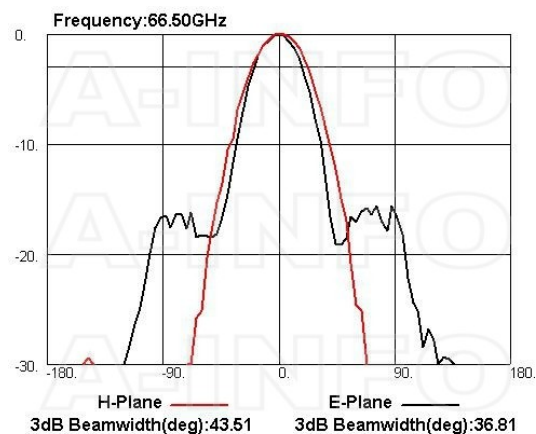
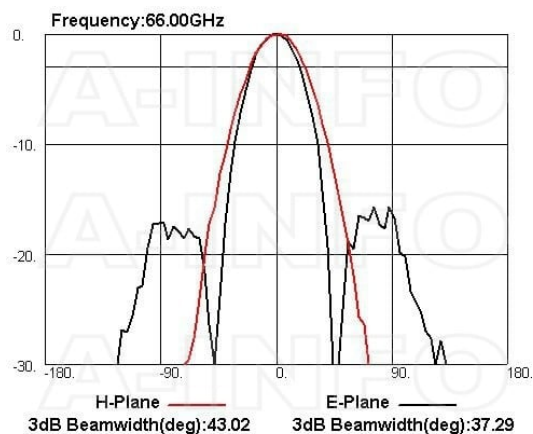
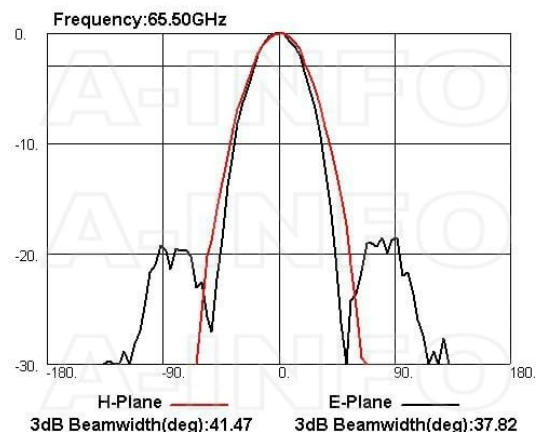
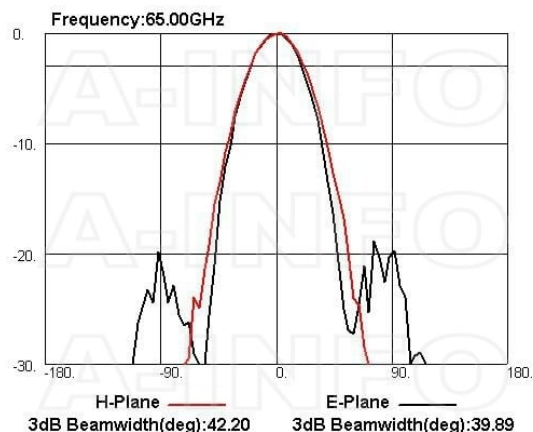


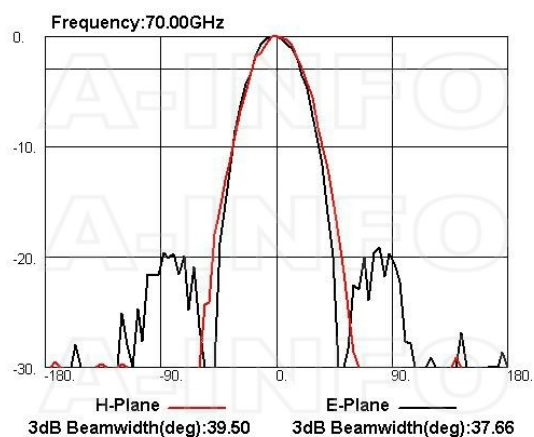
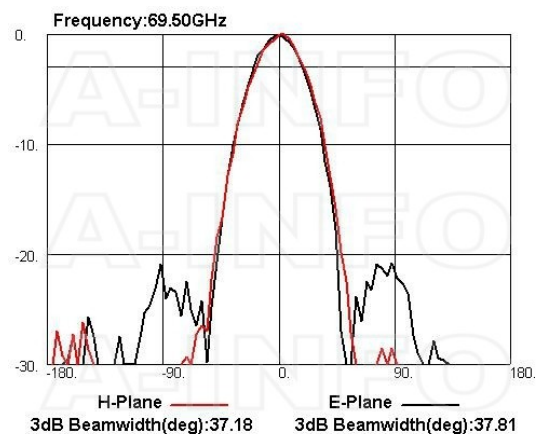
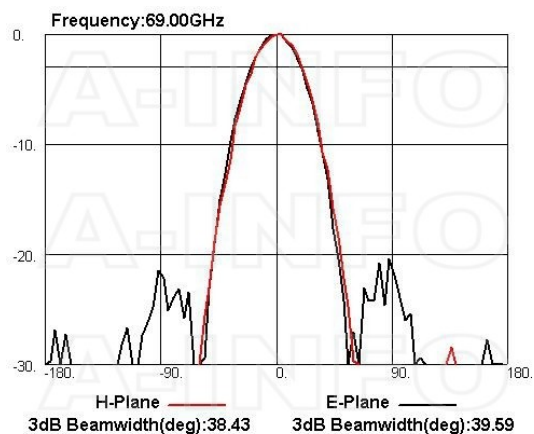
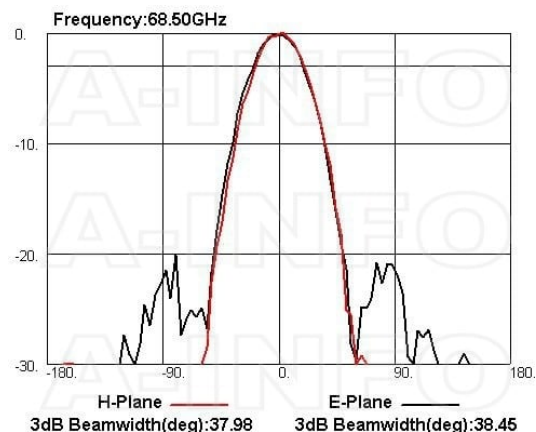
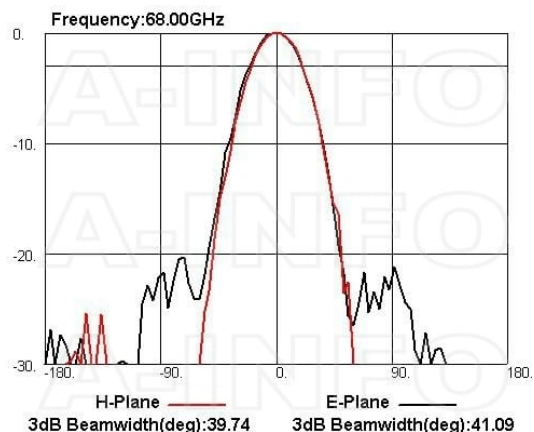












Related Products



15WCA1.85_Cu Right Angle
Rectangular Waveguide to
Coaxial Adapter 50-65GHz WR15
to 1.85mm Female



15WCA1.85M_Cu Right Angle
Rectangular Waveguide to
Coaxial Adapter 50-65GHz WR15
to 1.85mm Male



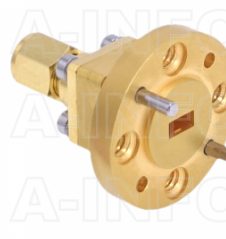
15WCA1.0_Cu Right Angle
Rectangular Waveguide to
Coaxial Adapter 50-75GHz WR15
to 1.0mm Female



15WCA1.0M_Cu Right Angle
Rectangular Waveguide to
Coaxial Adapter 50-75GHz WR15
to 1.0mm Male



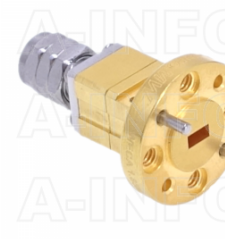
15WECA1.85_Cu Endlaunch
Rectangular Waveguide to
Coaxial Adapter 50-65GHz WR15
to 1.85mm Female



15WECA1.0M_Cu Endlaunch
Rectangular Waveguide to
Coaxial Adapter 50-75GHz WR15
to 1.0mm Male



15WECA1.0_Cu Endlaunch
Rectangular Waveguide to
Coaxial Adapter 50-75GHz WR15
to 1.0mm Female



15WECA1.85M_Cu Endlaunch
Rectangular Waveguide to
Coaxial Adapter 50-65GHz WR15
to 1.85mm Male



HSCS_4-40UNC_Pack Assembly
Pack



3033QM Wooden Tripod
Metalfree

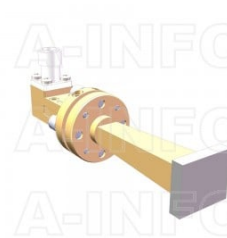
Similar Products



LB-15-10-A Standard Gain Horn
Antenna 50-75GHz 10dB Gain
Rectangular Waveguide Interface



LB-15-10-C-1.85F Standard Gain
Horn Antenna 50-65GHz 10dB
Gain 1.85mm Female



LB-15-10-C-1.85FSPO Standard
Gain Horn Antenna 50-65GHz
10dB Gain 1.85mm Female



LB-15-10-C-1.0F Standard Gain
Horn Antenna 50-75GHz 10dB
Gain 1.0mm Female



LB-15-10-C-1.0FSPO Standard
Gain Horn Antenna 50-75GHz
10dB Gain 1.0mm Female

About this Datasheet

● Product Information Product Link: https://www.ainfoinc.com/lb-15-10-aspo-standard-gain-horn-antenna-50-75-ghz-10db-gain-fugp620 Data subject to change without notice. © A-INFO INC. 2023. All Rights Reserved	● Contact Us Address: 60 Tesla, Irvine, CA 92618, USA Website: www.ainfoinc.com Email: sales@ainfoinc.com	● Phone & Fax Phone: +1-949-639-9688 +1-949-639-9608 Fax: +1-949-639-9670
---	--	---