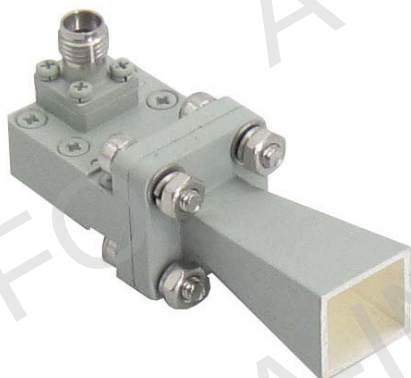


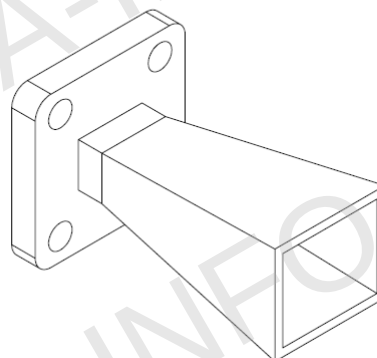
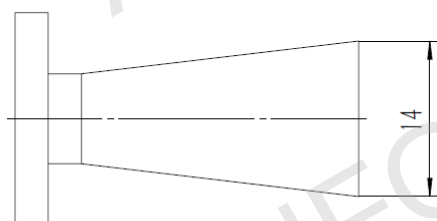
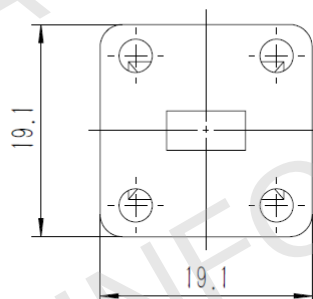
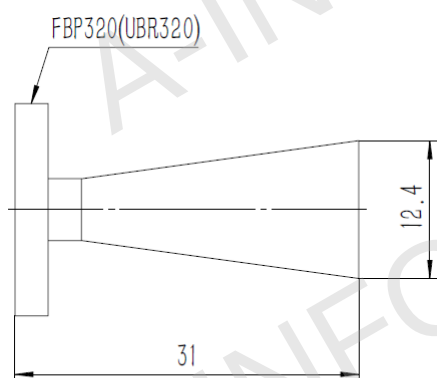
Technical Specification



Frequency Range(GHz)	26.5 - 40.0	
Waveguide	WR28	
Gain(dB)	10 Typ.	
Polarization	Linear	
3dB Beamwidth(deg)	55 Typ.	
Cross Pol. Isolation(dB)	35 Typ.	
VSWR	1.25:1 Typ.	
Output	A Type:	FBP320(UBR320)
	C Type:	2.92mm-Female or 2.4mm-Female
Material	Cu	
Size(mm)	A Type:	19.1 x 19.1 x 31
	C Type:	19.1 x 25.7 x 55
Net Weight(Kg)	A Type:	0.02 Around
	C Type:	0.07 Around

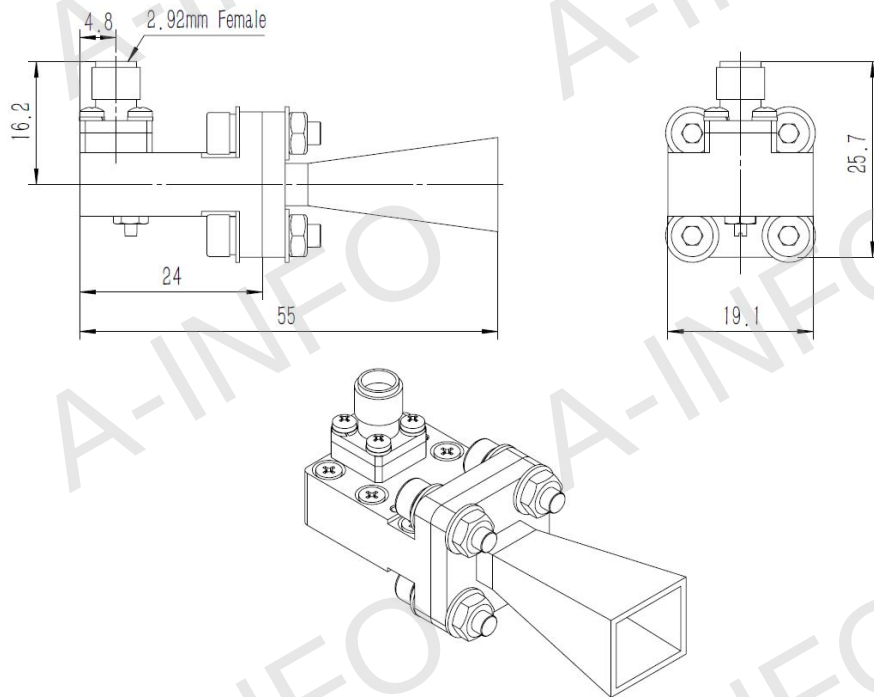
Outline Drawing (Size: mm)

A Type(With FBP320 Output)



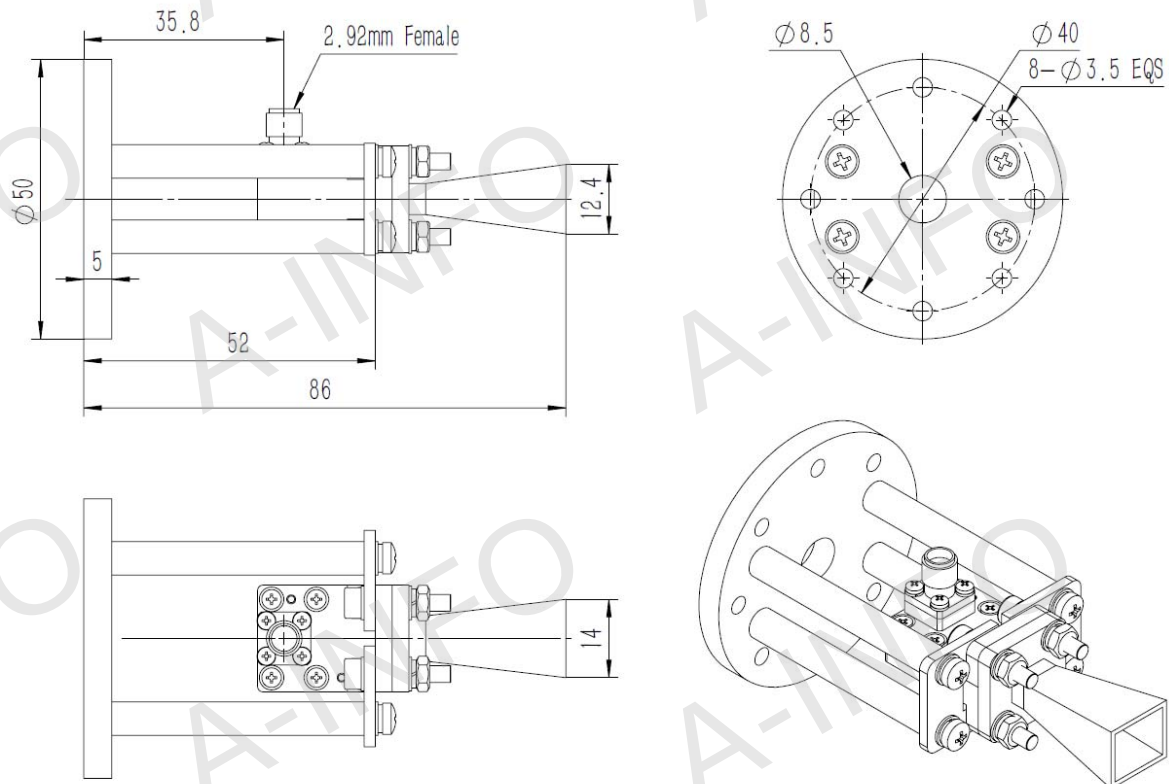
C Type (With 2.92mm-Female Output)

For 2.4mm-Female output outline drawing, please contact A-INFO.



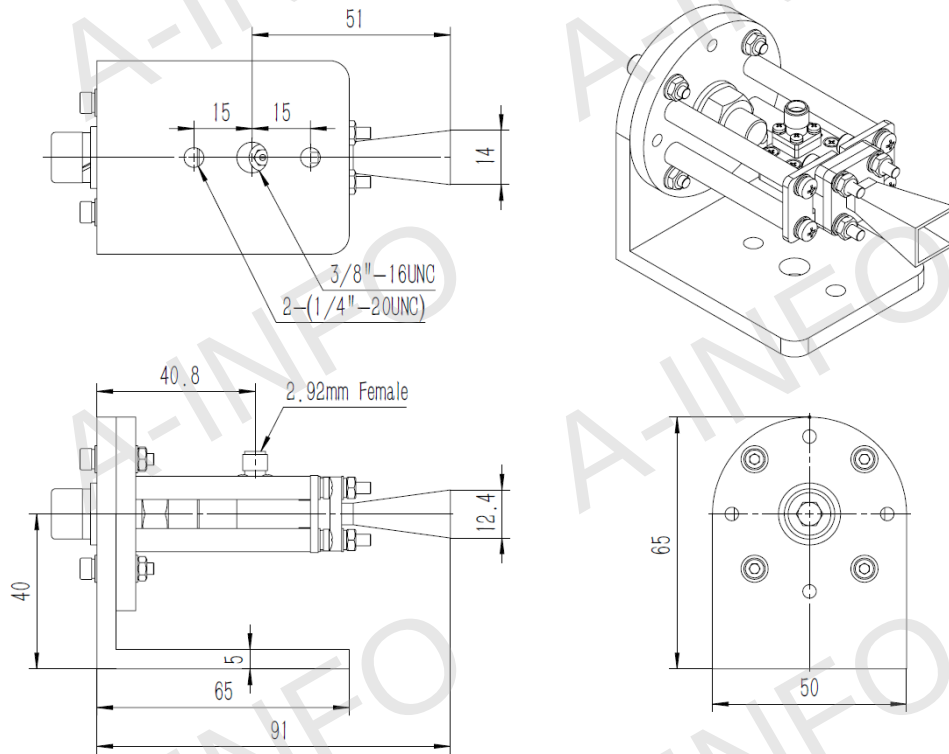
C Type (With 2.92mm-Female Output & Round Mounting Bracket)

For 2.4mm-Female output outline drawing, please contact A-INFO.

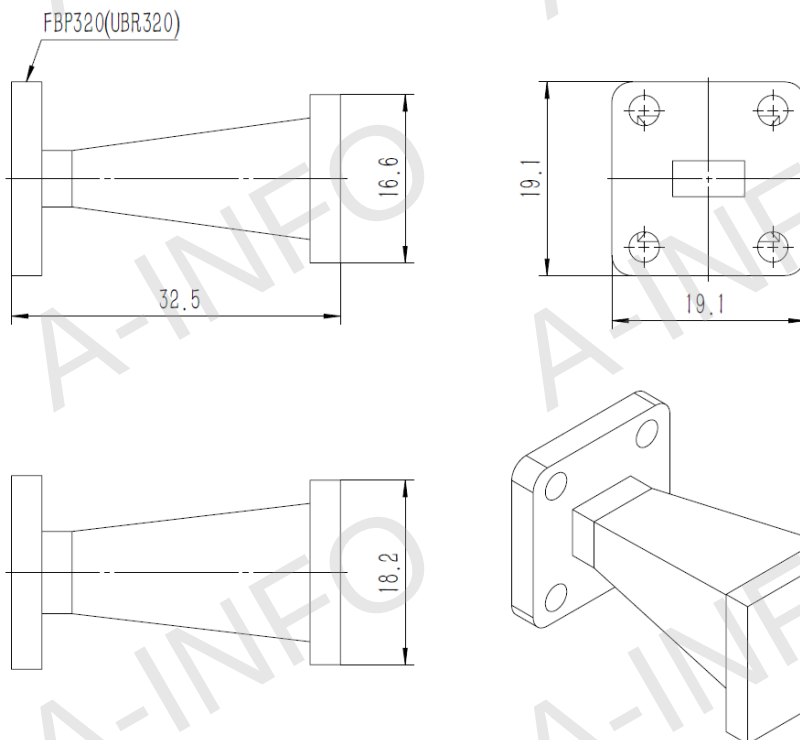


C Type (With 2.92mm-Female Output & L Type Mounting Bracket)

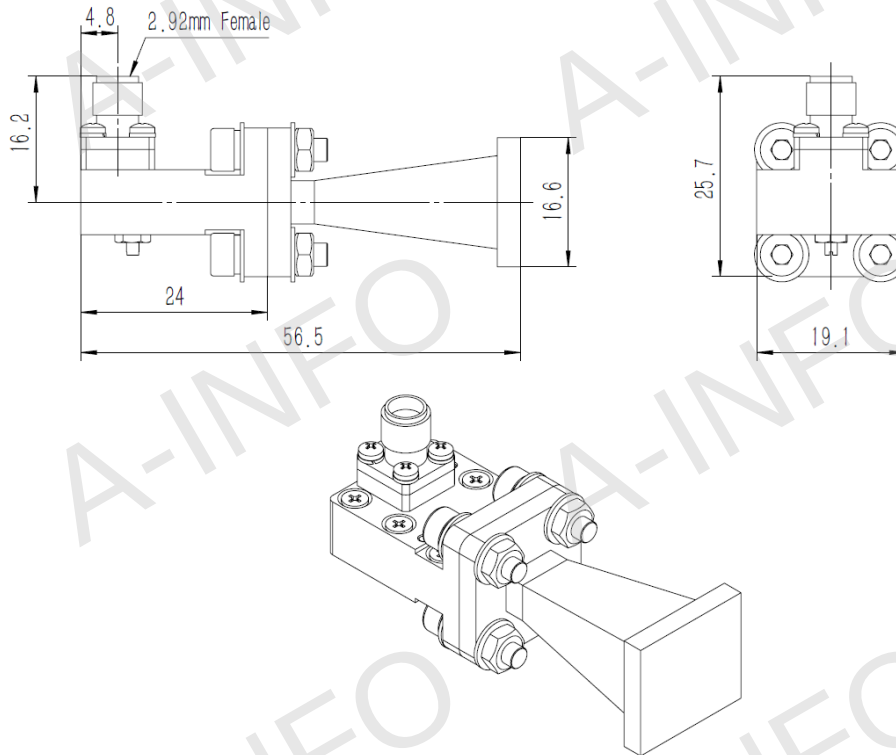
For 2.4mm-Female output outline drawing, please contact A-INFO.



A Type (With Radome)

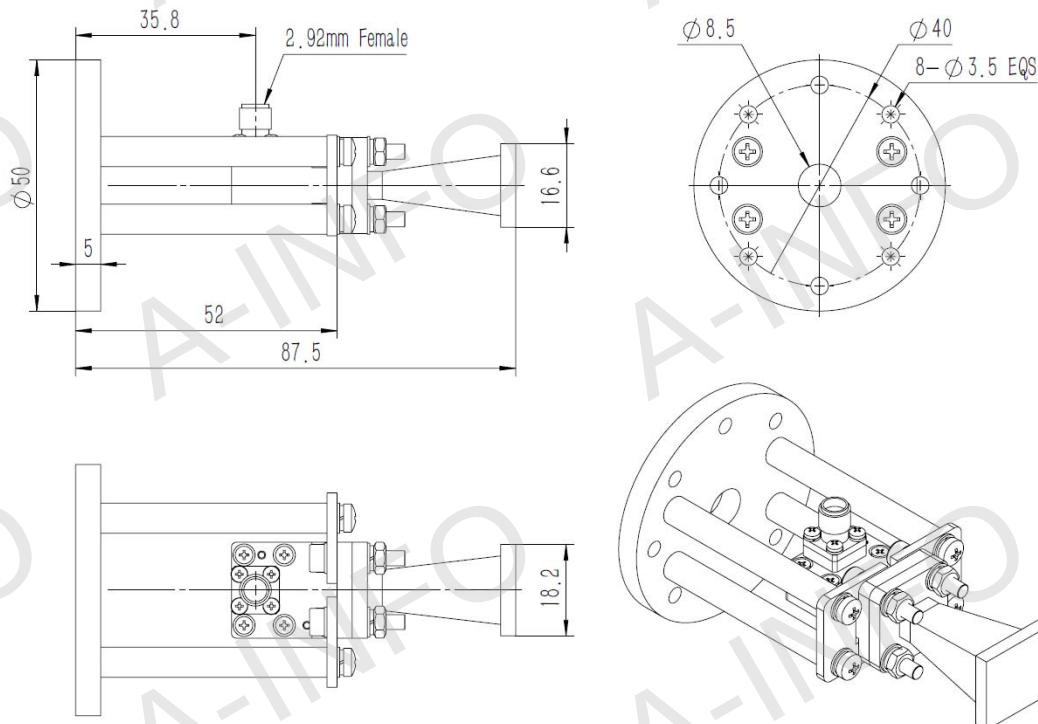


C Type (With 2.92mm-Female Output & Radome)



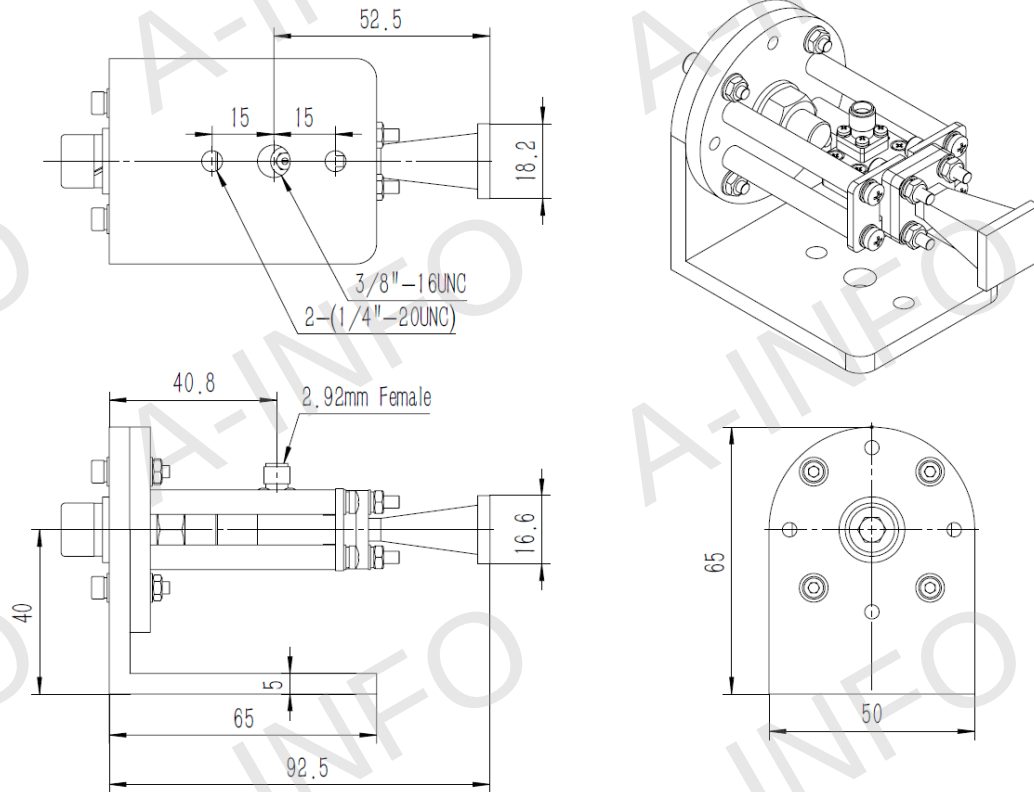
C Type (With 2.92mm-Female Output & Round Mounting Bracket & Radome)

For 2.4mm-Female output outline drawing, please contact A-INFO.

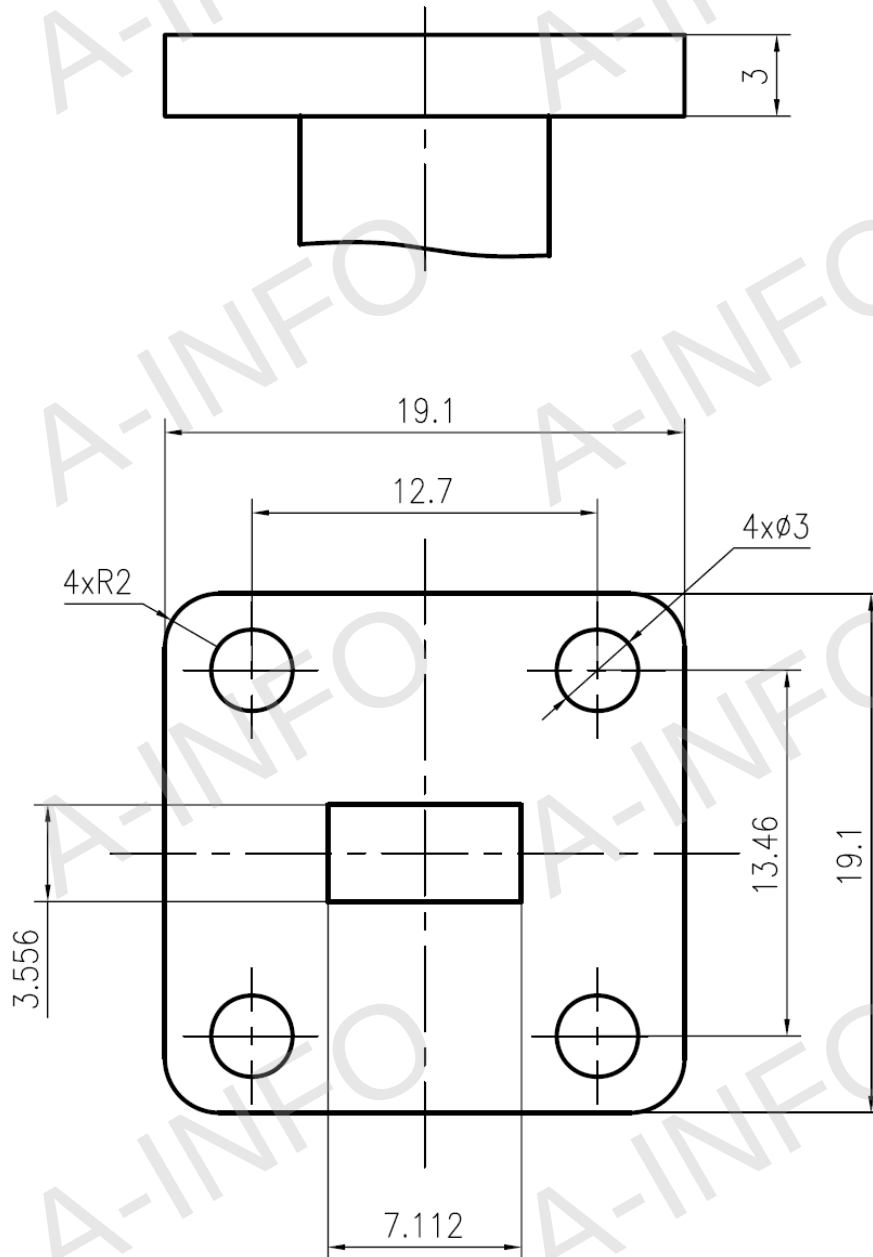


C Type (With 2.92mm-Female Output & L Type Mounting Bracket & Radome)

For 2.4mm-Female output outline drawing, please contact A-INFO.



Flange Drawing (Size: mm)



FBP320

AINFO Inc.

Page 6 of 14

China(Beijing):
China(Chengdu):
USA :

Tel: (+86) 10-6266-7326,
Tel: (+86) 28-8519-2786,
Tel: (+1) 949-639-9688,

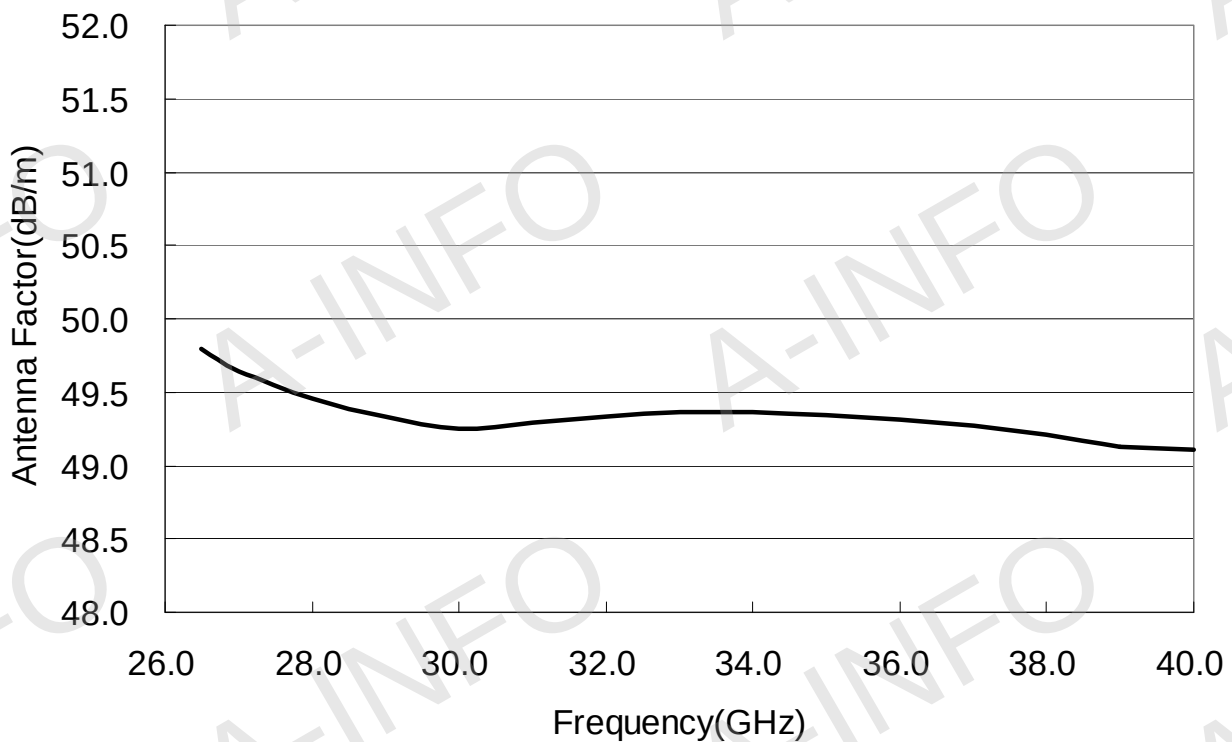
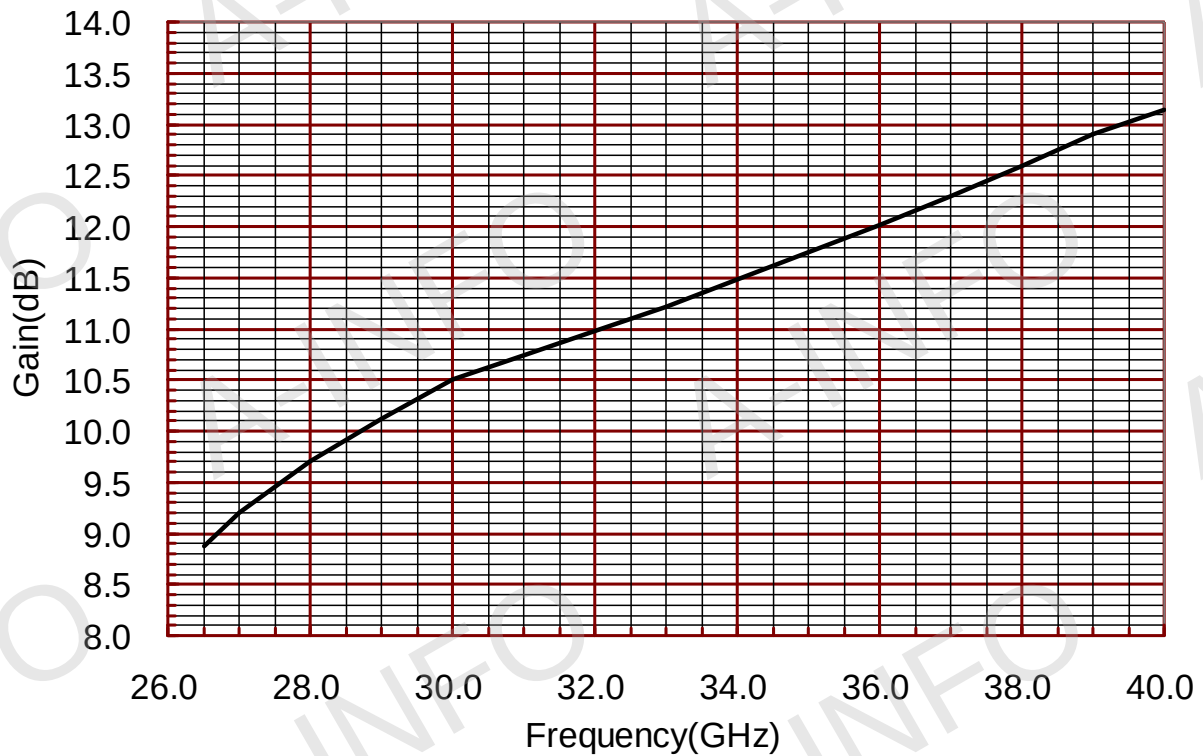
(+86) 10-6266-7327
(+86) 28-8519-3044
(+1) 949-639-9608

Fax: (+86) 10-6266-7379
Fax: (+86) 28-8519-3068
Fax: (+1) 949-639-9670

Website: www.ainfoinc.com
Email: sales@ainfoinc.com

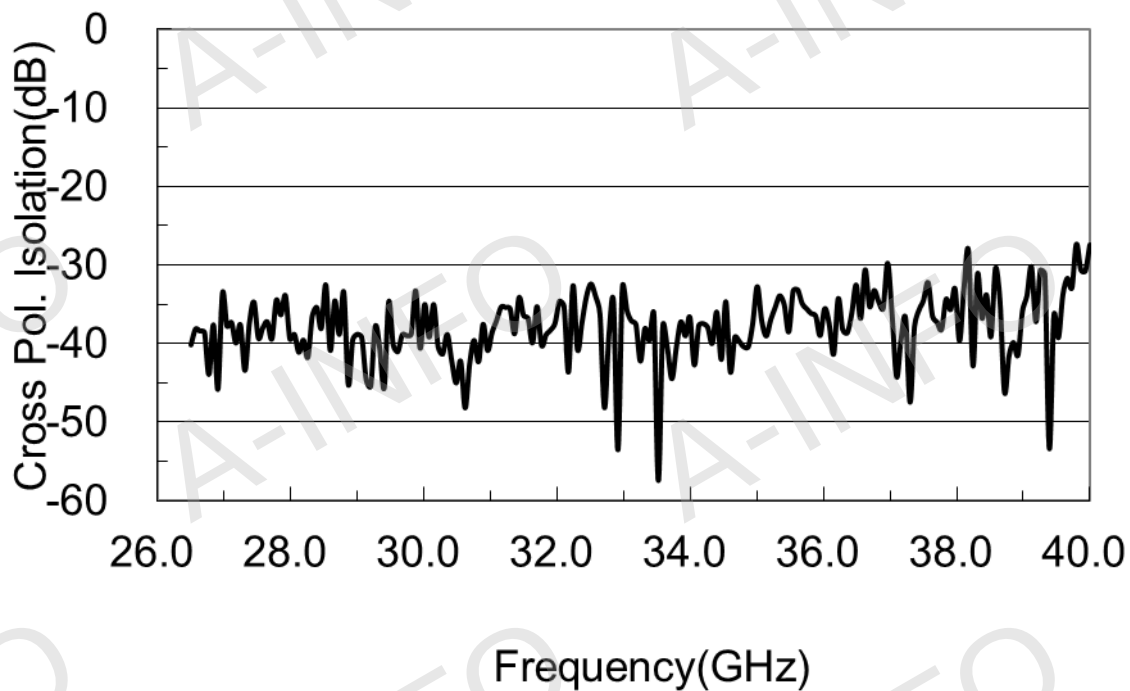
Test Results

1. Gain and Antenna Factor

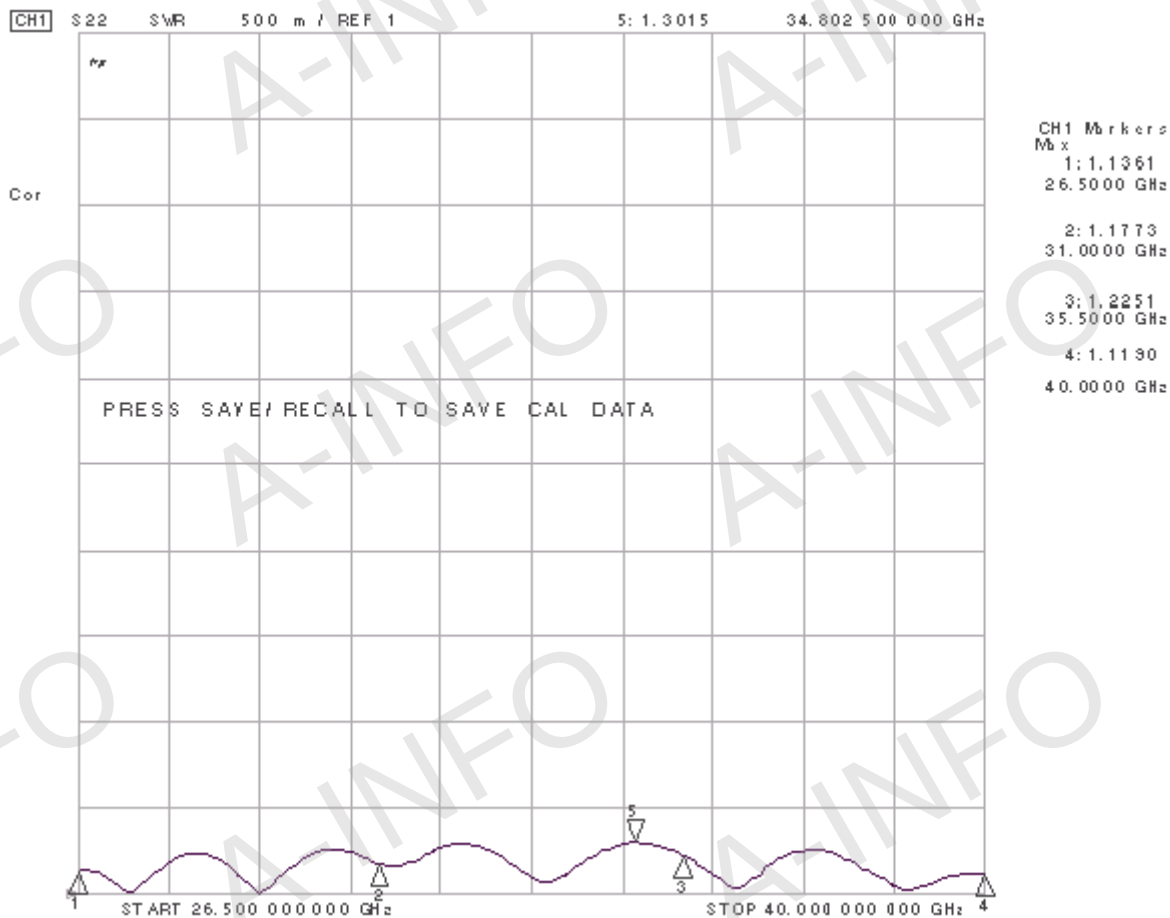


Frequency(GHz)	Gain(dB)	Antenna Factor(dB/m)
26.5	8.88	49.79
27.0	9.20	49.64
28.0	9.70	49.45
29.0	10.12	49.34
30.0	10.50	49.25
31.0	10.74	49.30
32.0	10.98	49.33
33.0	11.22	49.36
34.0	11.48	49.36
35.0	11.75	49.34
36.0	12.02	49.32
37.0	12.30	49.27
38.0	12.60	49.21
39.0	12.90	49.13
40.0	13.14	49.11

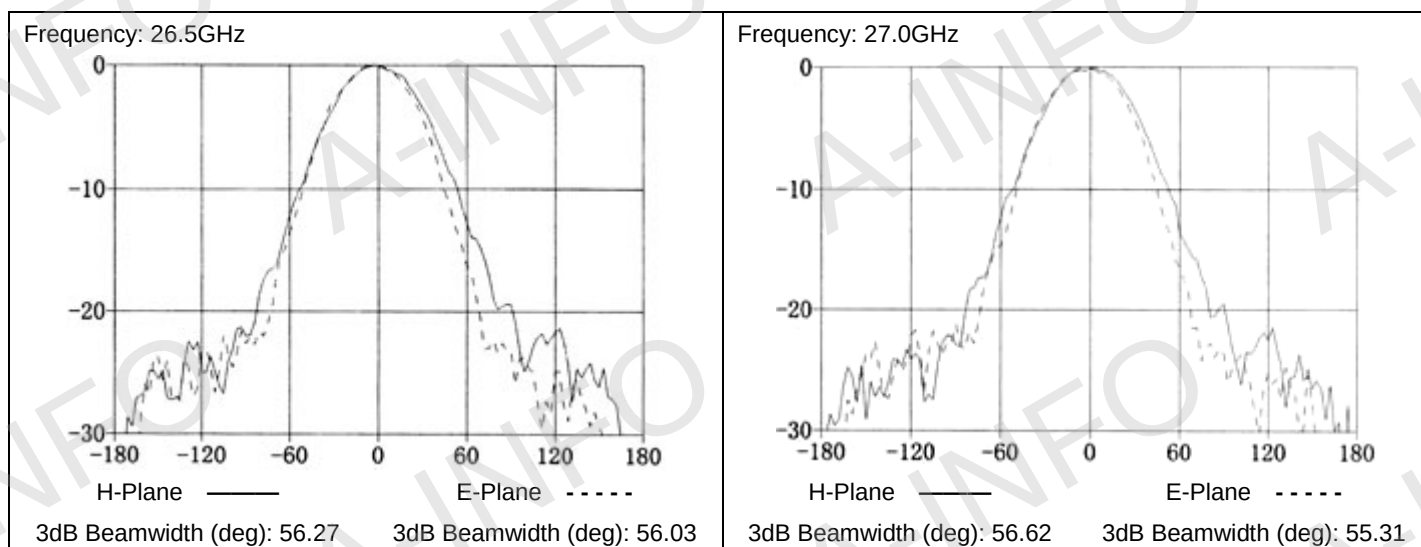
2. Cross Polarization Isolation



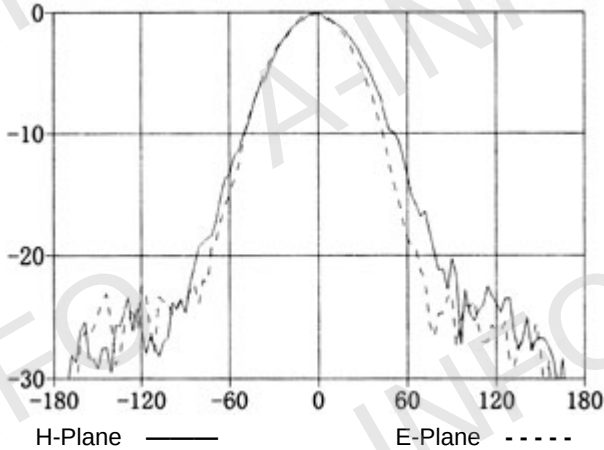
3. VSWR



4. Pattern

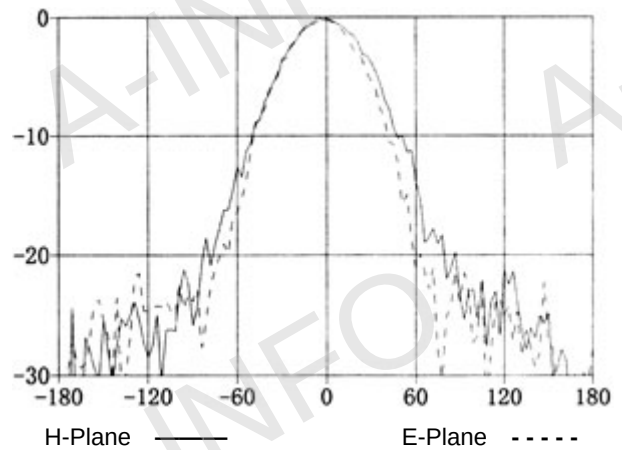


Frequency: 27.5GHz



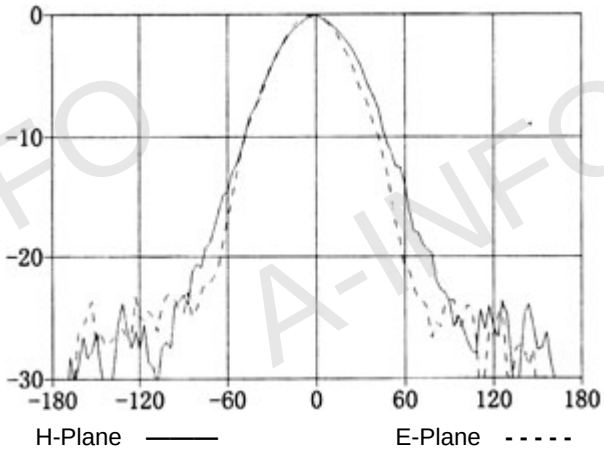
3dB Beamwidth (deg): 54.37 3dB Beamwidth (deg): 50.99

Frequency: 28.0GHz



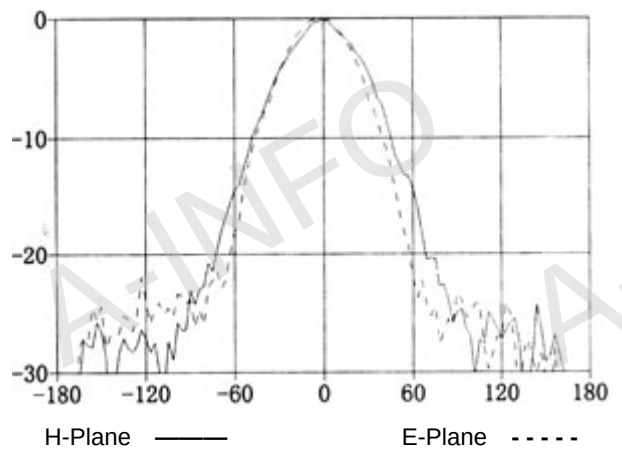
3dB Beamwidth (deg): 50.19 3dB Beamwidth (deg): 46.56

Frequency: 28.5GHz



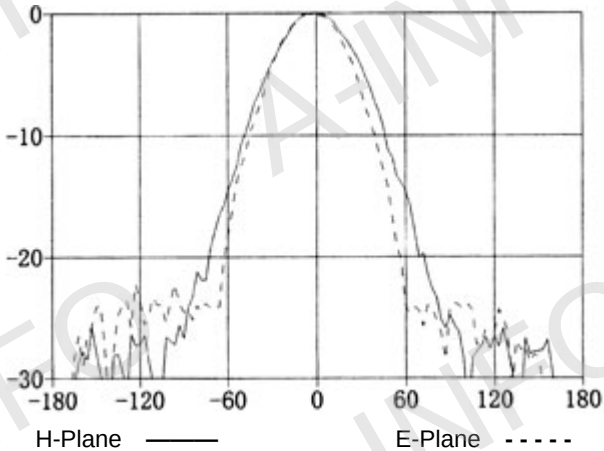
3dB Beamwidth (deg): 50.81 3dB Beamwidth (deg): 45.60

Frequency: 29.0GHz



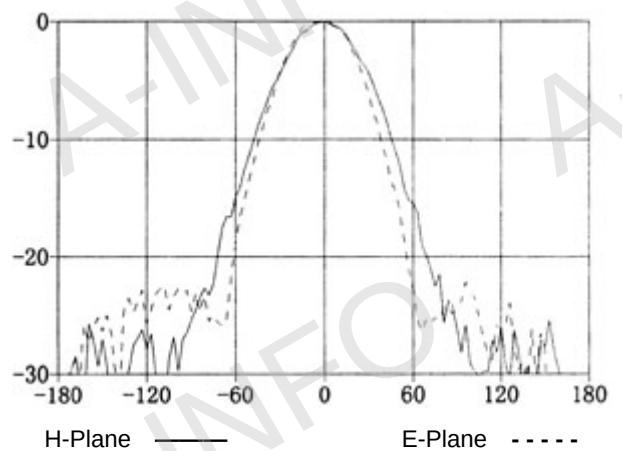
3dB Beamwidth (deg): 46.39 3dB Beamwidth (deg): 44.97

Frequency: 29.5GHz



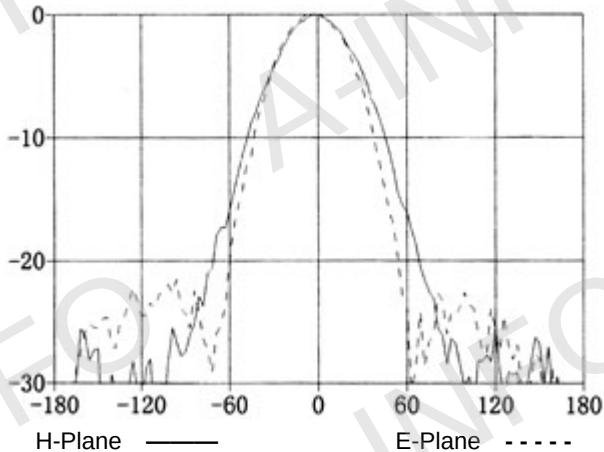
3dB Beamwidth (deg): 49.49 3dB Beamwidth (deg): 45.77

Frequency: 30.0GHz



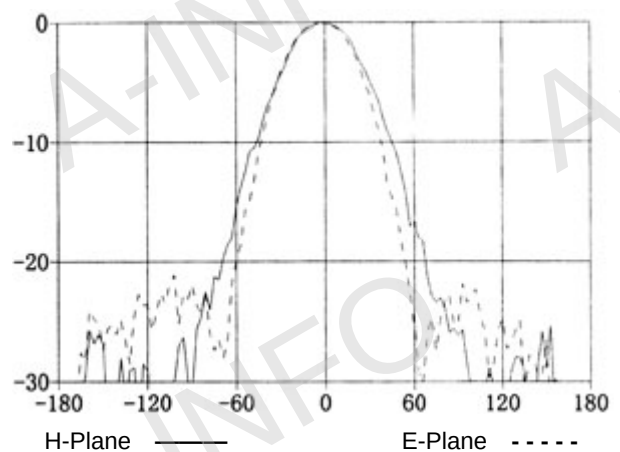
3dB Beamwidth (deg): 47.53 3dB Beamwidth (deg): 47.19

Frequency: 30.5GHz



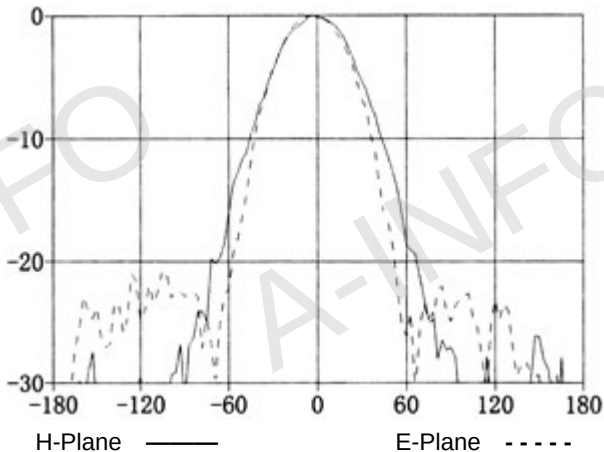
3dB Beamwidth (deg): 47.70 3dB Beamwidth (deg): 48.03

Frequency: 31.0GHz



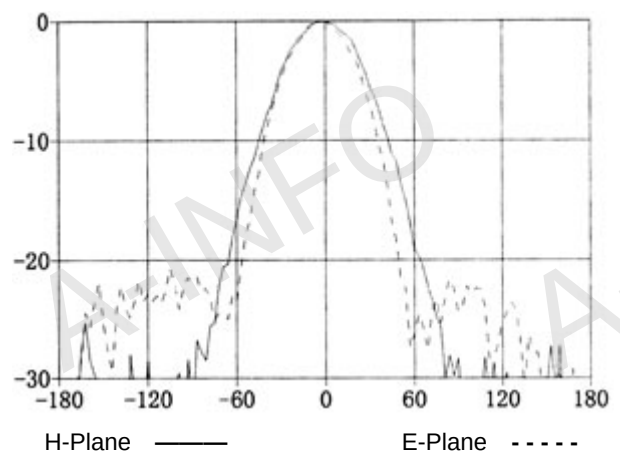
3dB Beamwidth (deg): 47.73 3dB Beamwidth (deg): 47.31

Frequency: 31.5GHz



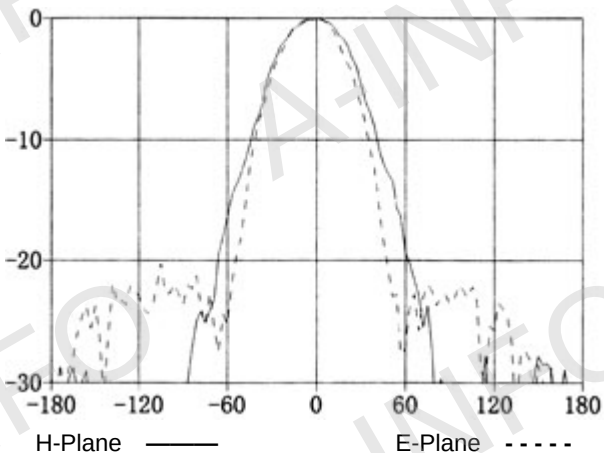
3dB Beamwidth (deg): 47.90 3dB Beamwidth (deg): 46.00

Frequency: 32.0GHz



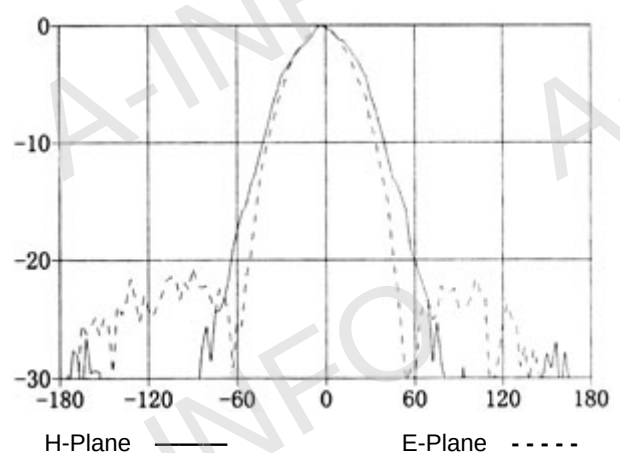
3dB Beamwidth (deg): 48.12 3dB Beamwidth (deg): 43.09

Frequency: 32.5GHz



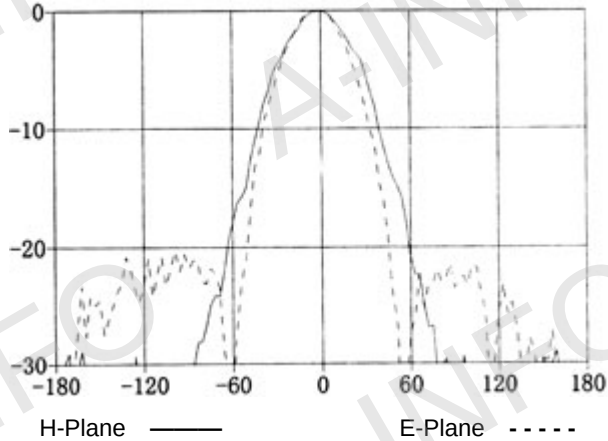
3dB Beamwidth (deg): 49.75 3dB Beamwidth (deg): 42.84

Frequency: 33.0GHz



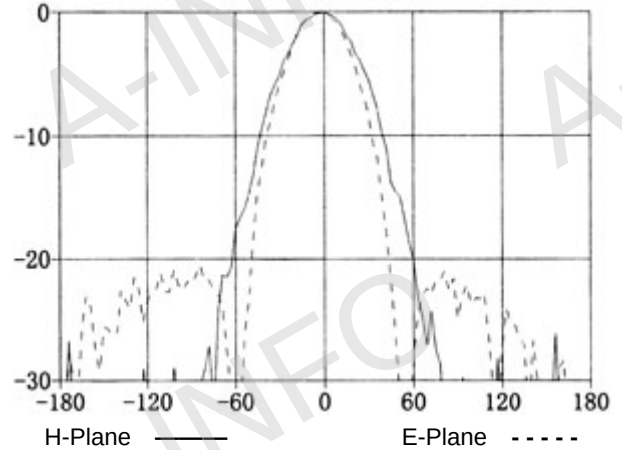
3dB Beamwidth (deg): 44.79 3dB Beamwidth (deg): 39.75

Frequency: 33.5GHz



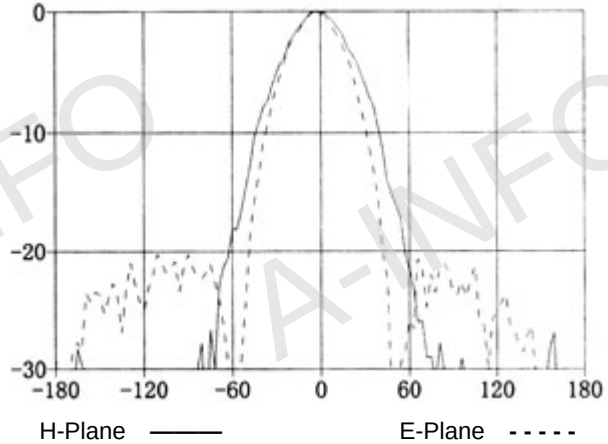
3dB Beamwidth (deg): 44.05 3dB Beamwidth (deg): 39.13

Frequency: 34.0GHz



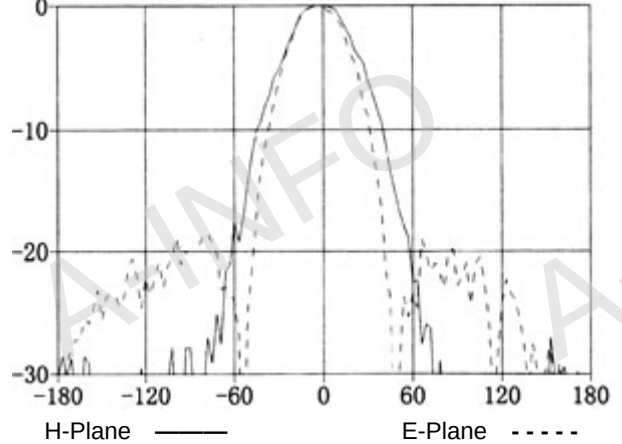
3dB Beamwidth (deg): 42.98 3dB Beamwidth (deg): 39.20

Frequency: 34.5GHz



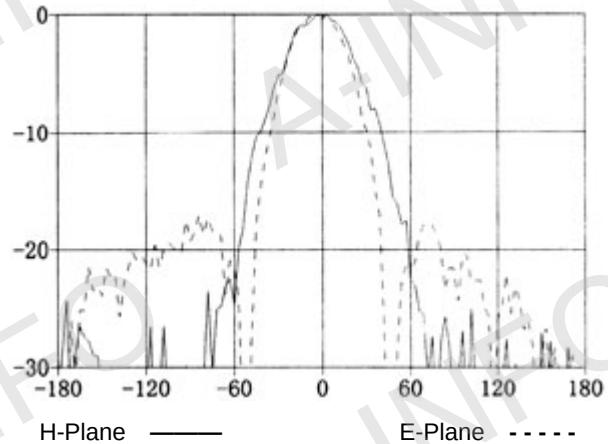
3dB Beamwidth (deg): 40.58 3dB Beamwidth (deg): 36.94

Frequency: 35.0GHz



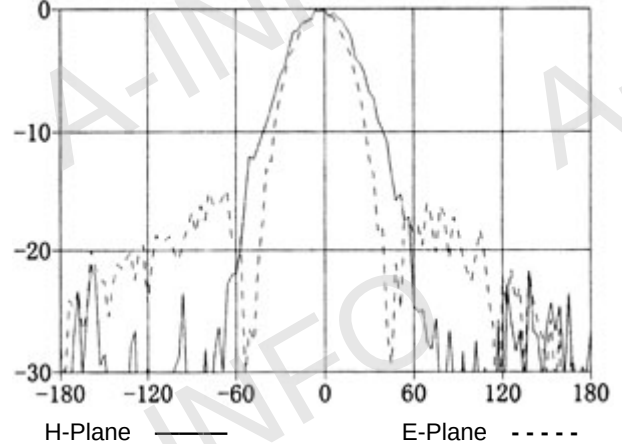
3dB Beamwidth (deg): 42.40 3dB Beamwidth (deg): 38.04

Frequency: 35.5GHz



3dB Beamwidth (deg): 41.84 3dB Beamwidth (deg): 38.42

Frequency: 36.0GHz



3dB Beamwidth (deg): 42.84 3dB Beamwidth (deg): 35.40

