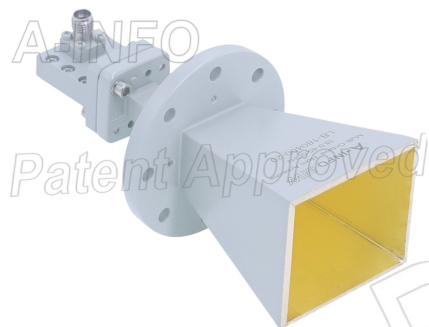


For reference only. See data sheet for the detailed specifications.

Technical Specification



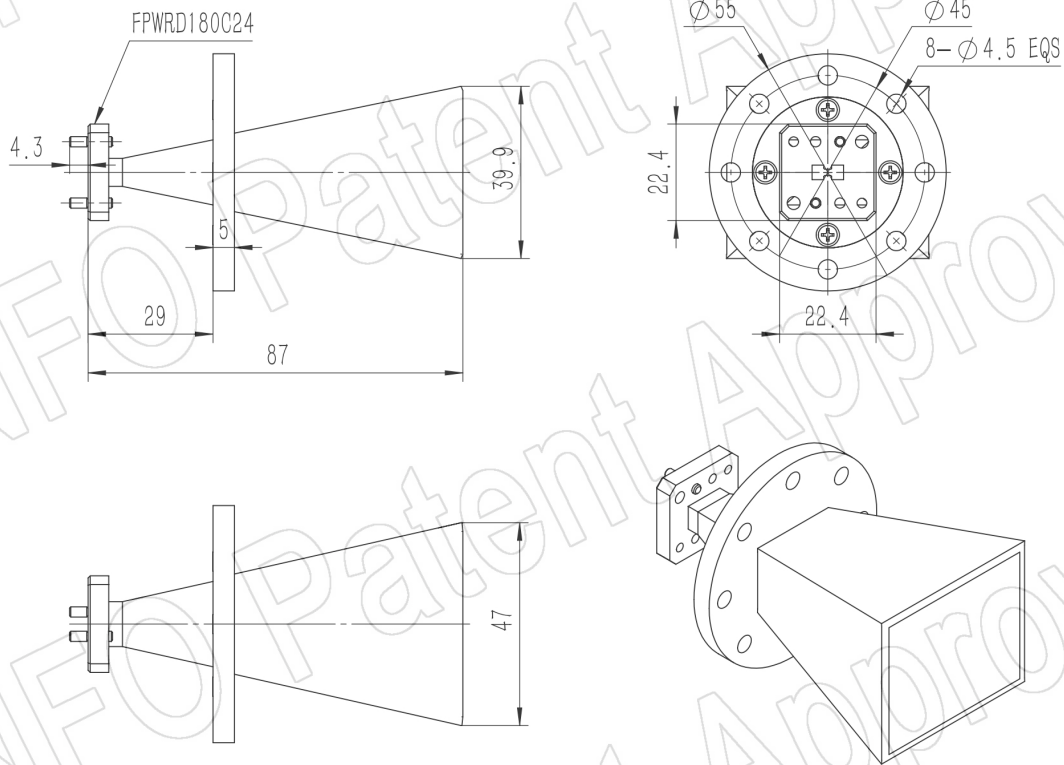
Frequency Range(GHz)	18.0 – 40.0
Gain(dBi)	20 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 26 - 9
	H Plane: 29 - 10
Cross Pol. Isolation(dB)	35 Typ.
VSWR	1.5:1 Typ.
Output	A Type: FPWRD180C24
	C Type: 2.92mm-Female or 2.4mm-Female or 2.92mm-Male
Power Handling(W CW)	2.92mm-Female: 20 Max.
	2.4mm-Female: 10 Max.
	2.92mm-Male: 20 Max.
Material	Cu
Finish	Gold Plated and Passivation, Gray Paint
Size(mm)	A Type: 55 x 55 x 87
	C Type: 55 x 55 x 113
Net Weight(Kg)	A Type: 0.21 Around
	C Type: 0.25 Around

PATENT ID (China)

ZL201930458725.9

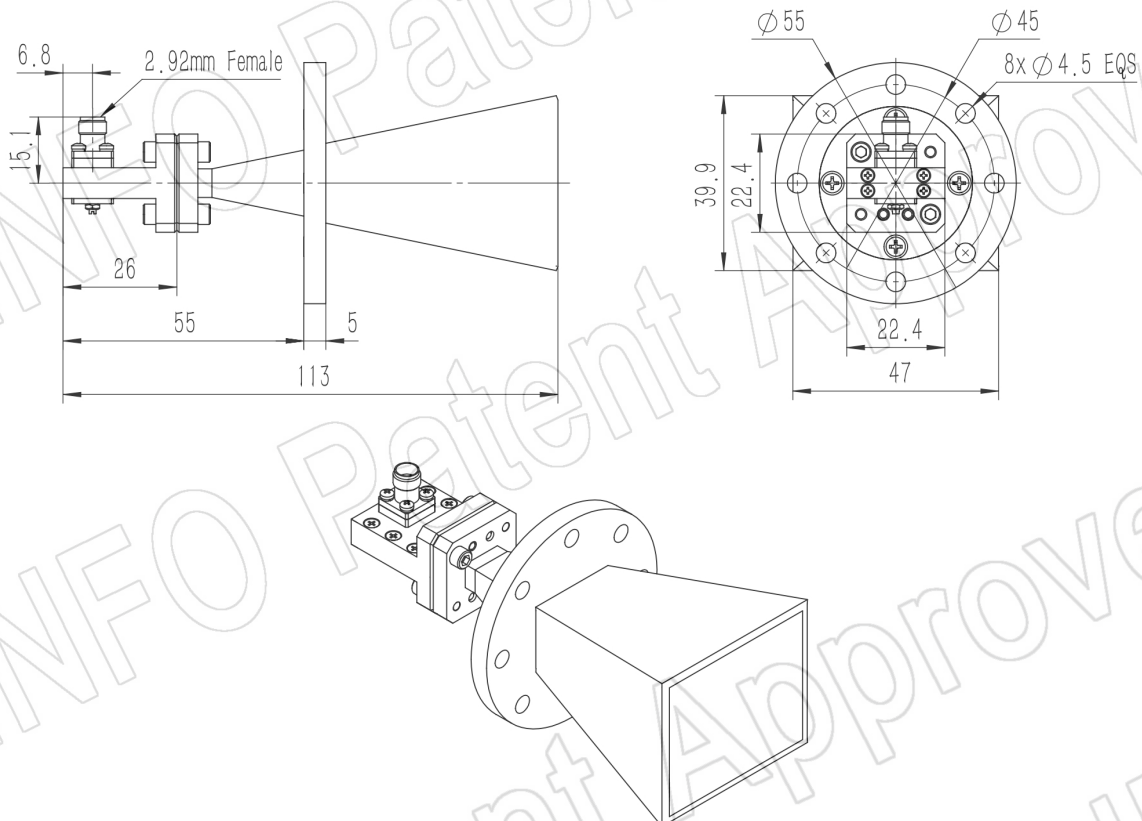
Outline Drawing (Size: mm)

FPWRD180C24 Output (P/N: LB-180400-20-A)



2.92mm-Female Output (P/N: LB-180400-20-C-KF)

For 2.4mm-Female or 2.92mm-Male output outline drawing, please contact A-INFO.



AINFO Inc.

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

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

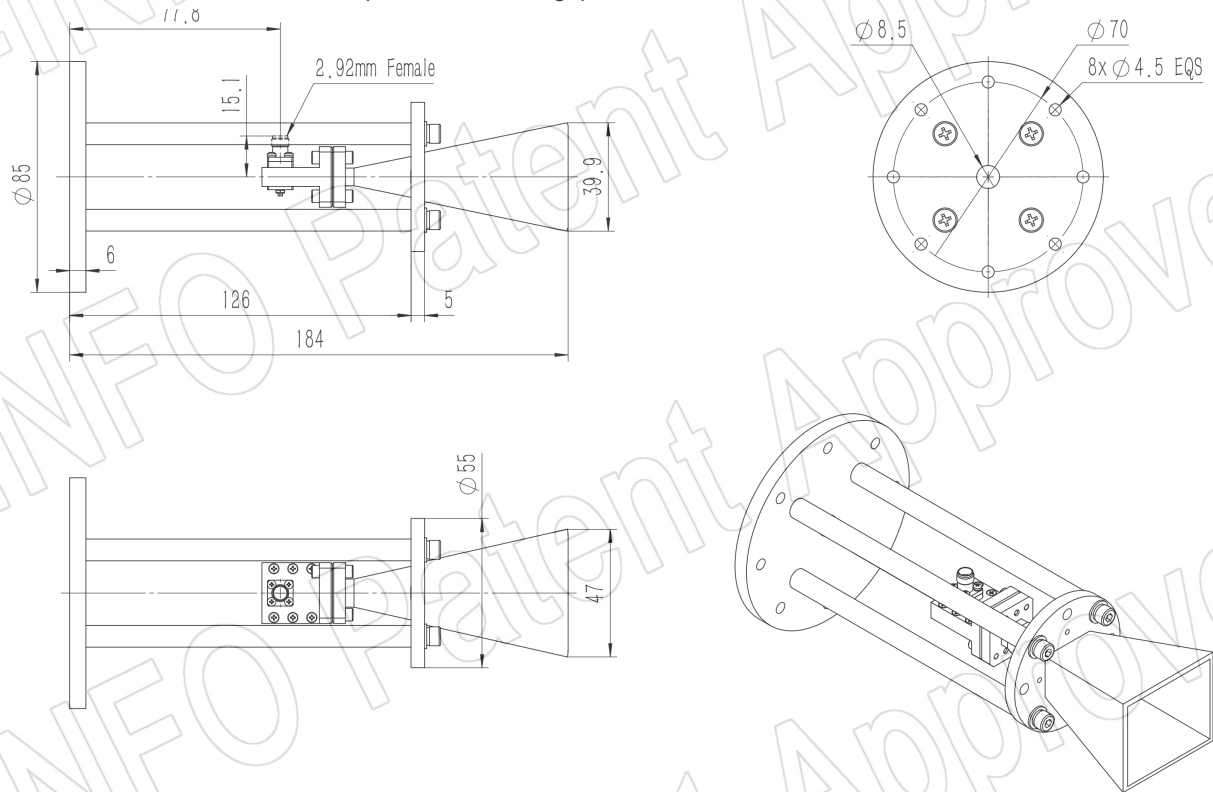
(+86) 10-6266-7327
(+86) 28-8519-3044
(+1) 949-639-9608

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

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

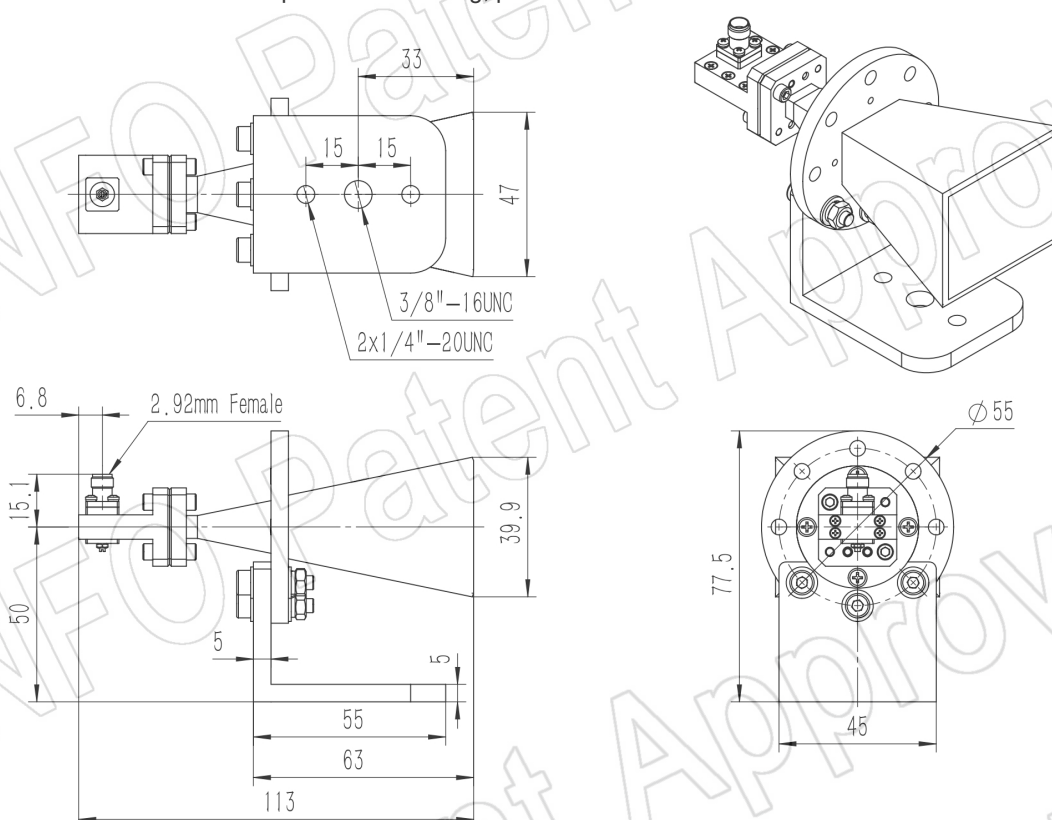
2.92mm-Female Output with Round Mounting Bracket (Option, P/N: LB-19-25-MB2)

For 2.4mm-Female or 2.92mm-Male output outline drawing, please contact A-INFO.



2.92mm-Female Output with L Type Mounting Bracket (Option, P/N: LB-19-25-L2)

For 2.4mm-Female or 2.92mm-Male output outline drawing, please contact A-INFO.



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USA :

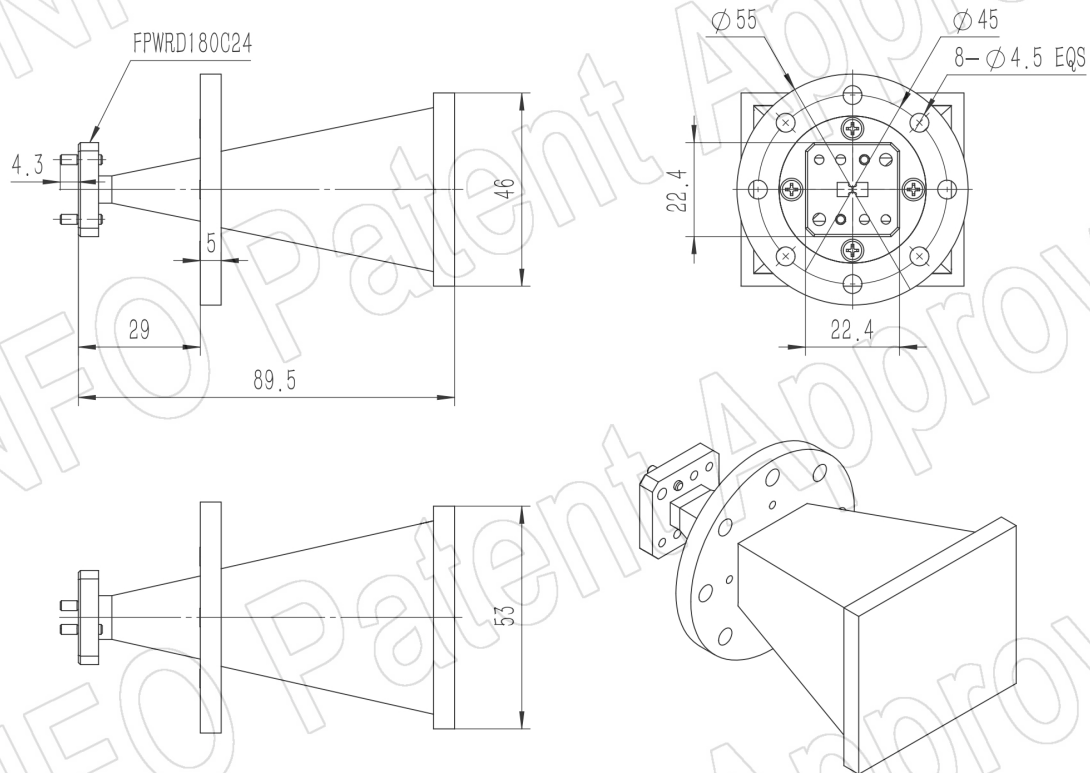
Tel: (+86) 10-6266-7326,
Tel: (+86) 28-8519-2786,
Tel: (+1) 949-639-9688,

(+86) 10-6266-7327
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Fax: (+86) 28-8519-3068
Fax: (+1) 949-639-9670

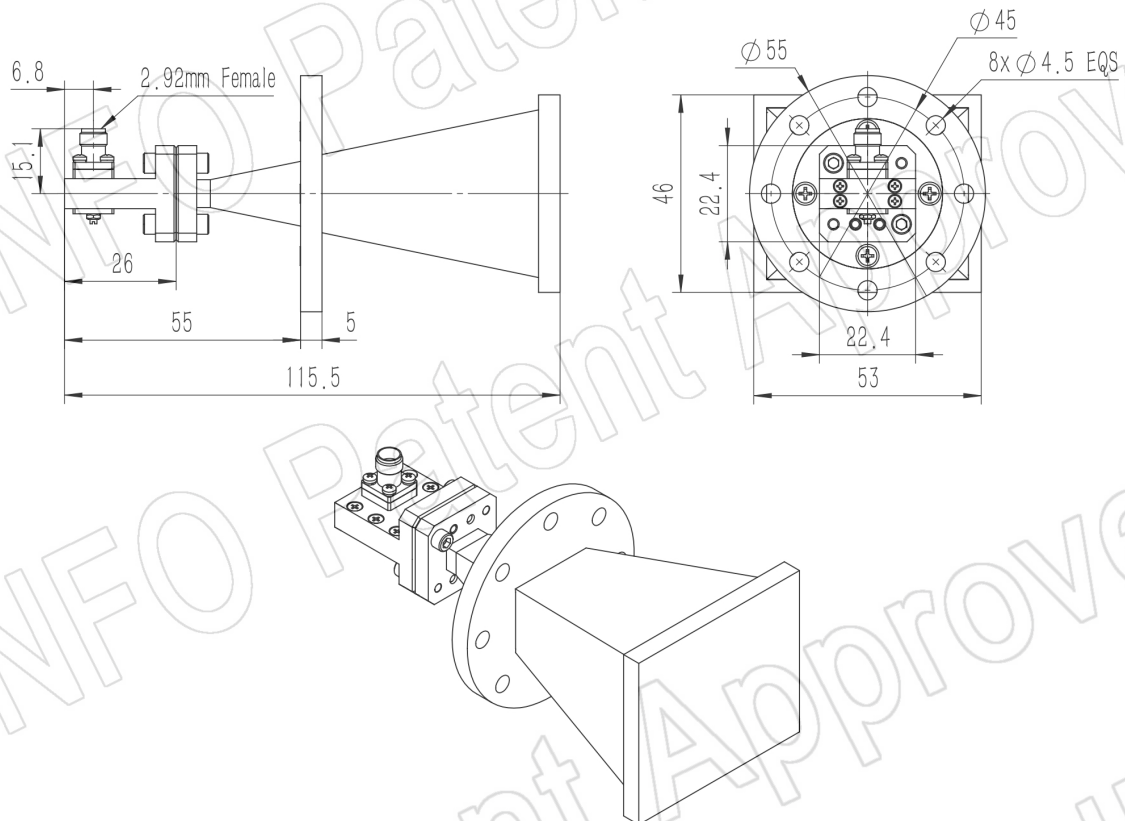
Website: www.ainfoinc.com
Email: sales@ainfoinc.com

FPWRD180C24 Output with Radome (Option, P/N: LB-180400-20-ASPO, Outdoor Application)



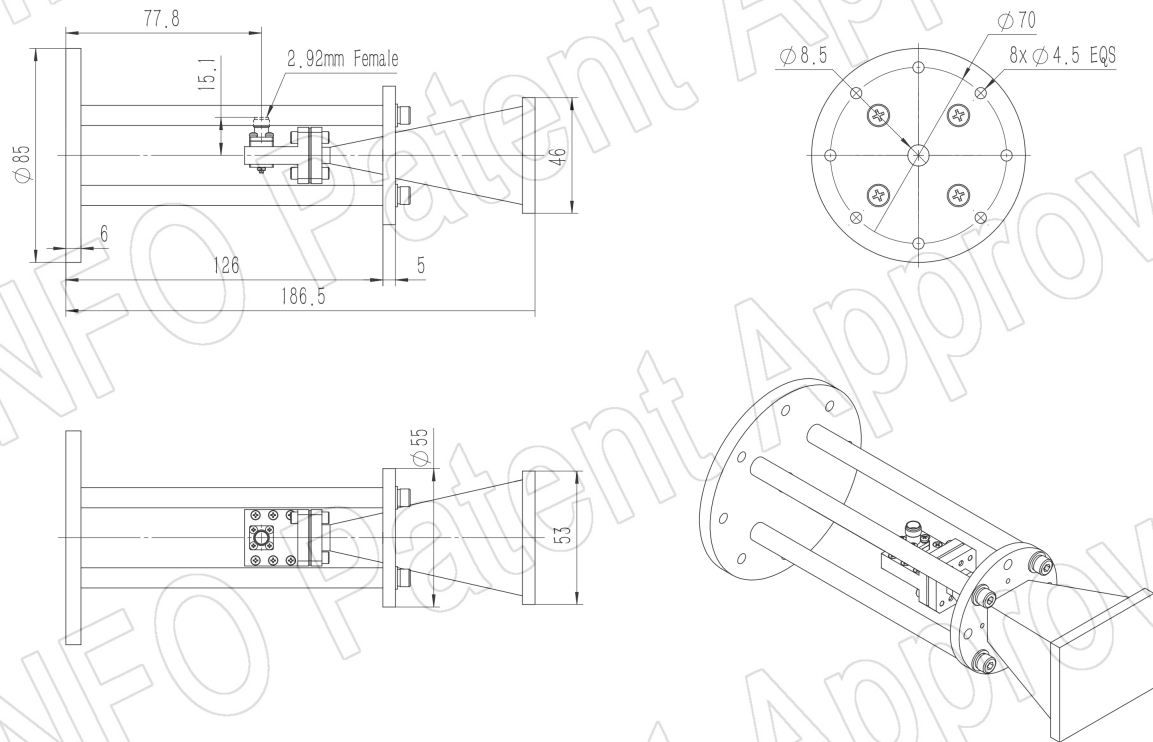
2.92mm-Female Output with Radome (Option, P/N: LB-180400-20-C-KFSPO, Outdoor Application)

For 2.4mm-Female or 2.92mm-Male output outline drawing, please contact A-INFO.



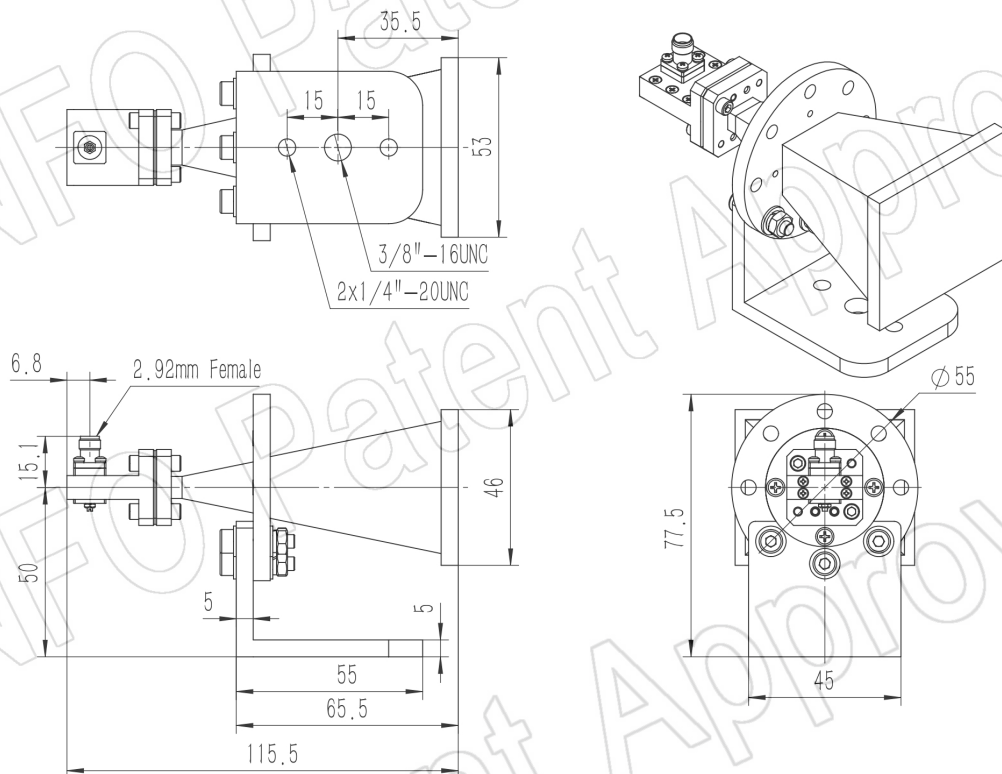
2.92mm-Female Output with Round Mounting Bracket & Radome (Option, P/N: LB-19-25-MB2 & LB-180400-20-C-KFSPO, Outdoor Application)

For 2.4mm-Female or 2.92mm-Male output outline drawing, please contact A-INFO.



2.92mm-Female Output with L Type Mounting Bracket & Radome (Option, P/N: LB-19-25-L2 & LB-180400-20-C-KFSPO, Outdoor Application)

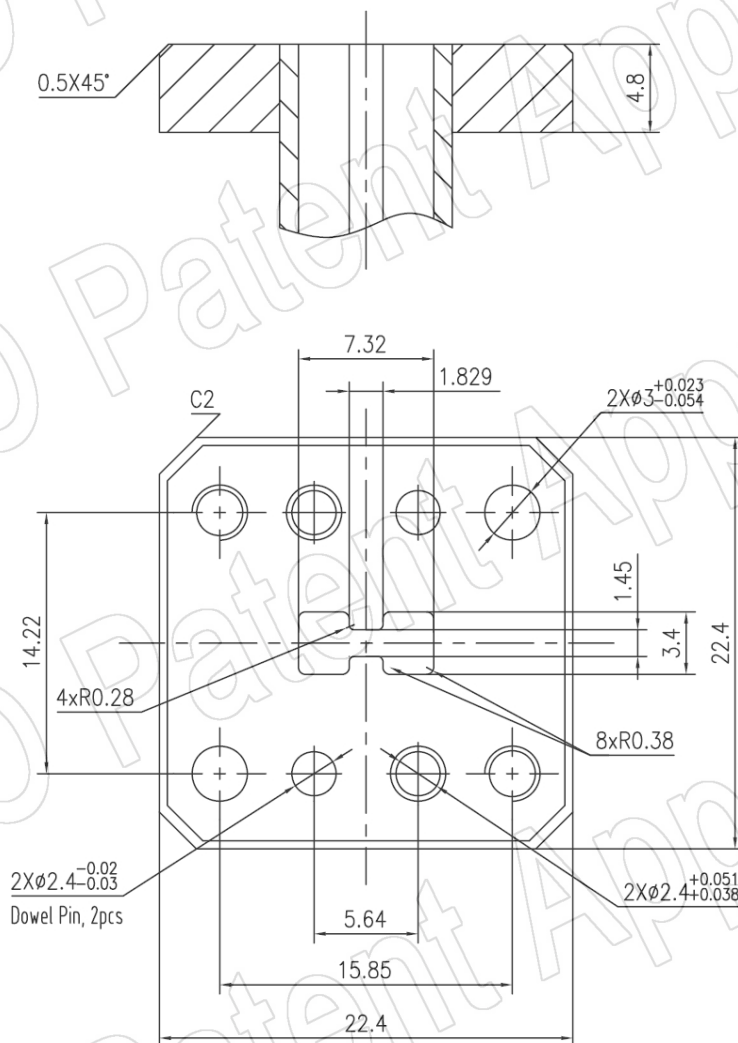
For 2.4mm-Female or 2.92mm-Male output outline drawing, please contact A-INFO.



Flange Drawing (Size: mm)

FPWRD180C24

(With two through mounting holes
and two screws holes)



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

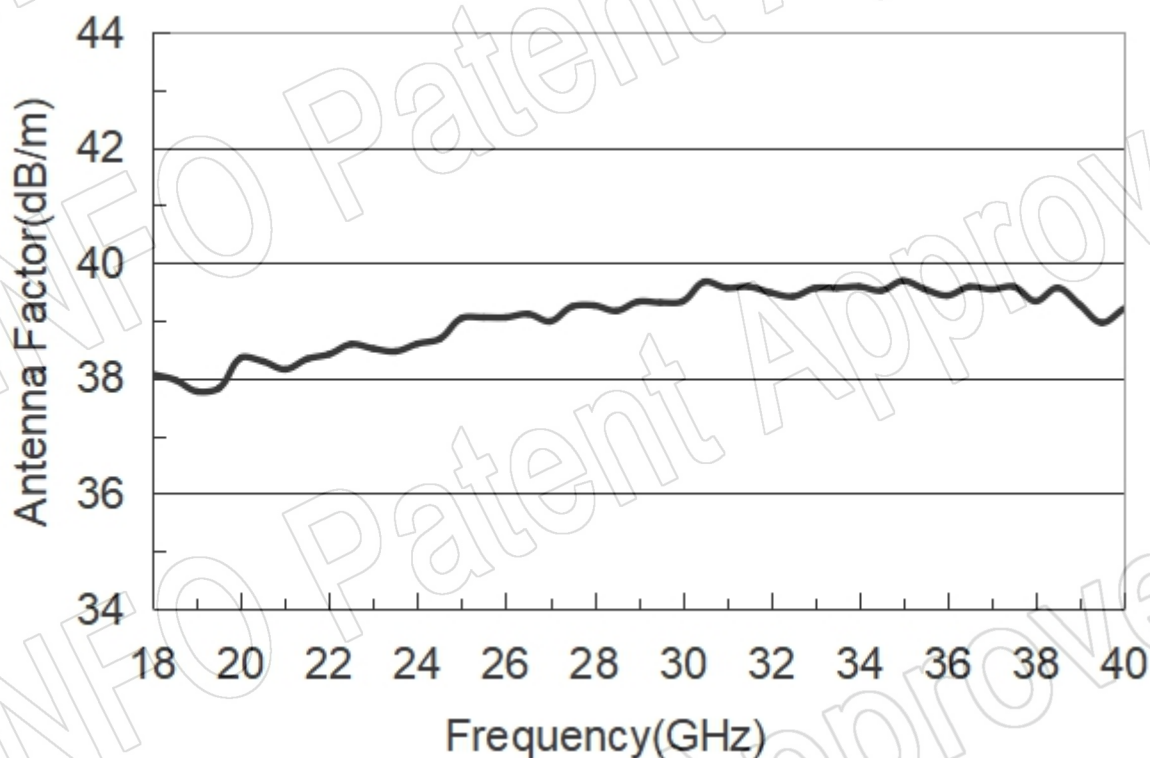
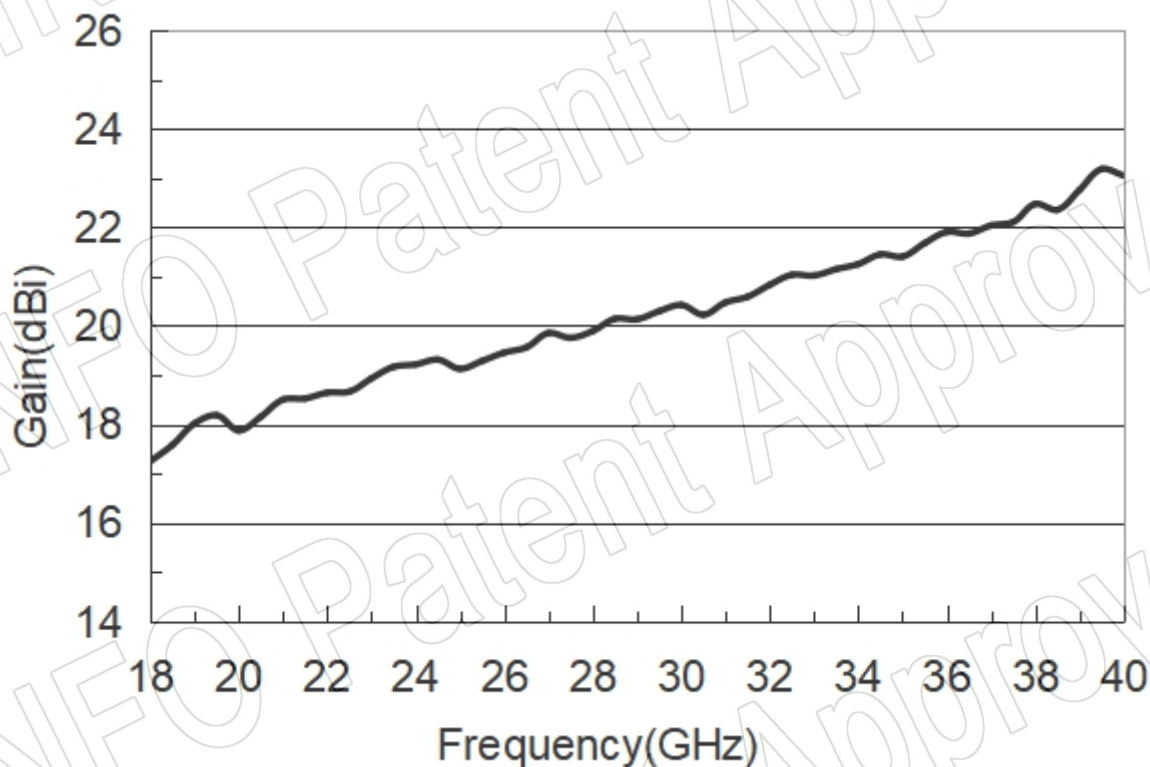
(+86) 10-6266-7327
(+86) 28-8519-3044
(+1) 949-639-9608

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

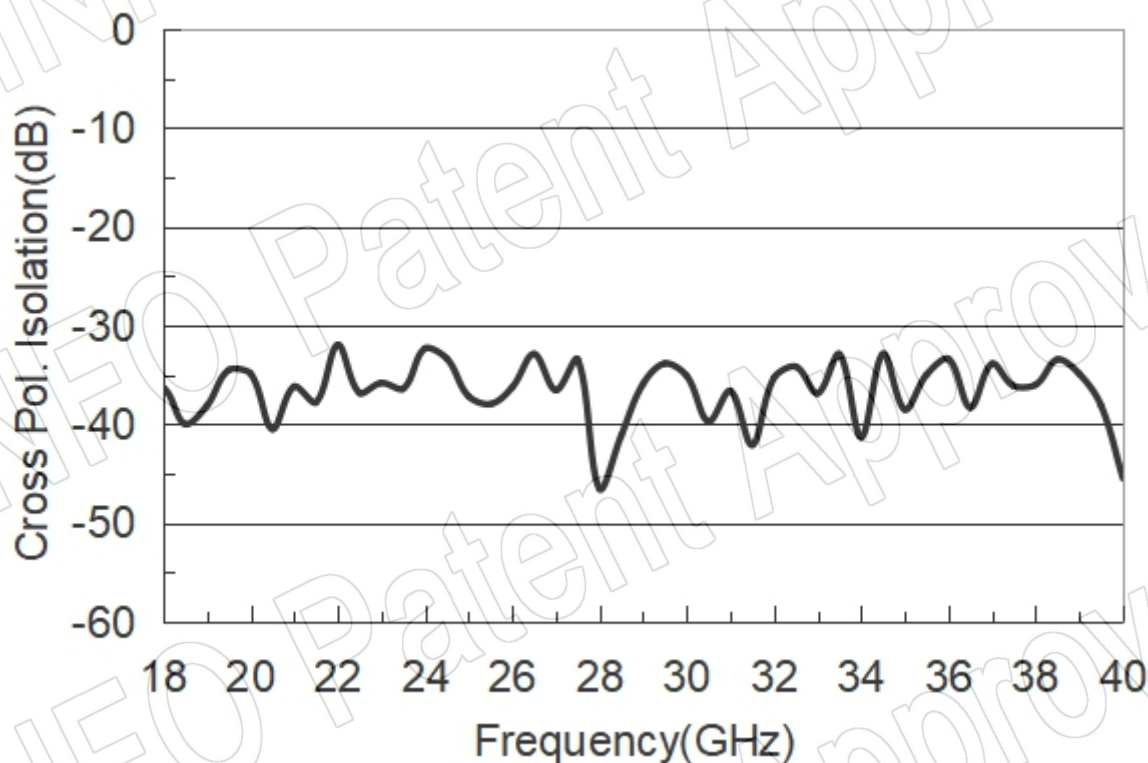
Website: www.ainfoinc.com
Email: sales@ainfoinc.com

Test Results

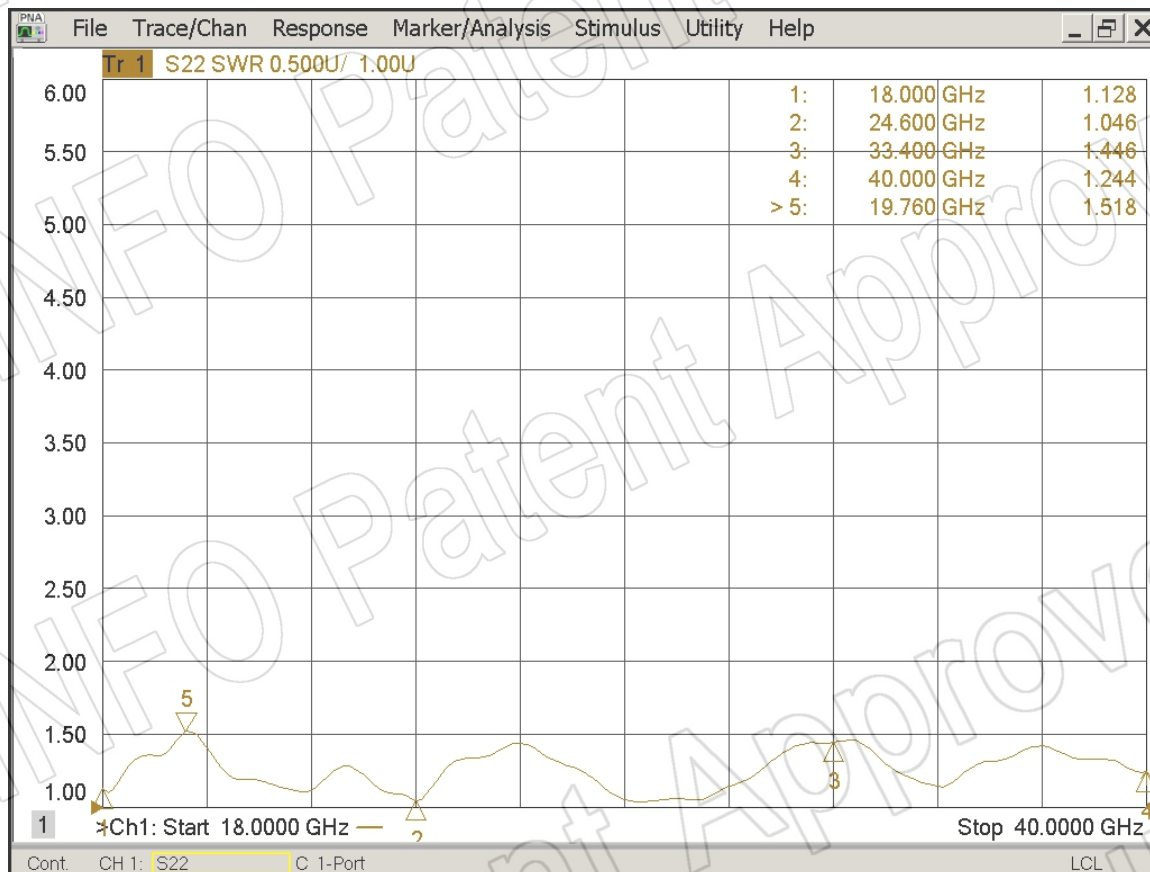
1. Gain & Antenna Factor



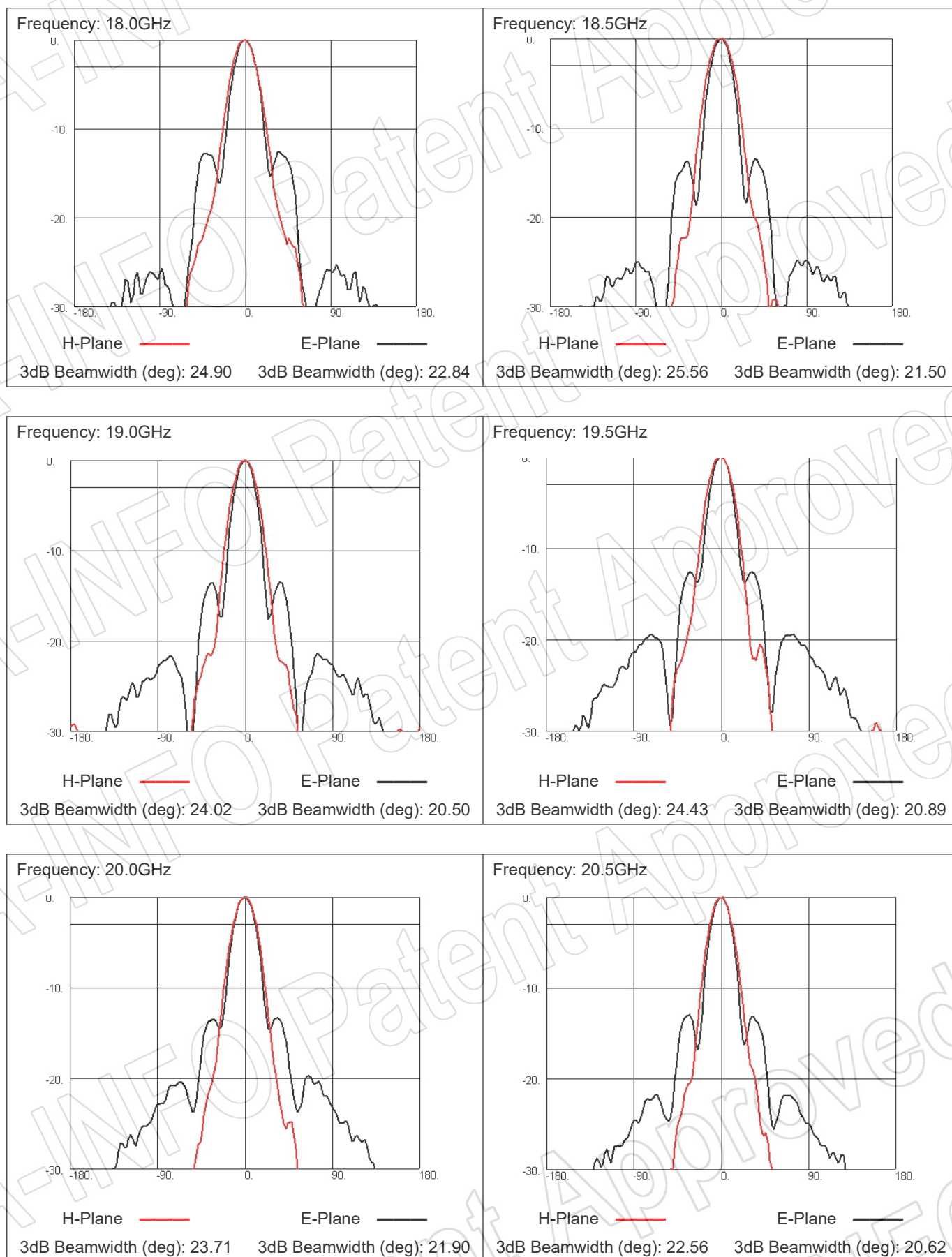
2. Cross Polarization Isolation



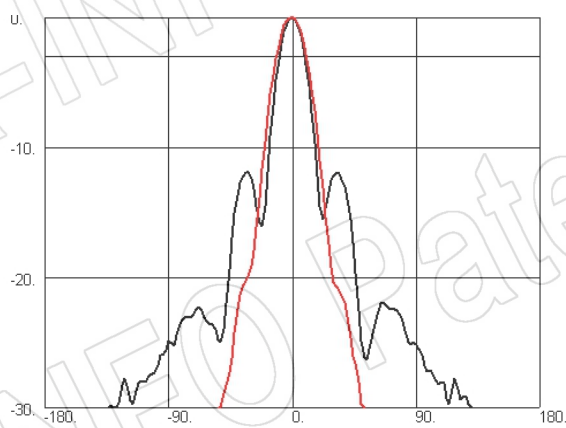
3. VSWR



4. Pattern



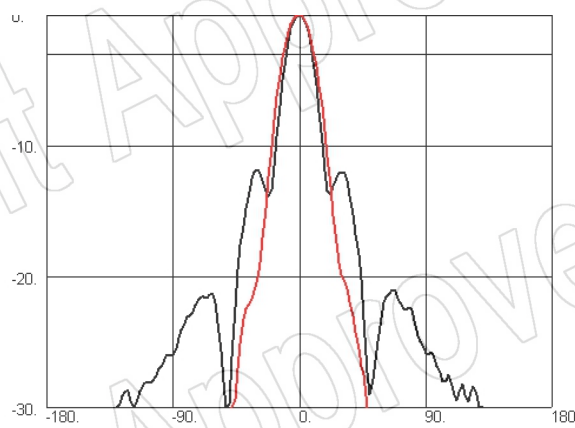
Frequency: 21.0GHz



H-Plane — E-Plane —

3dB Beamwidth (deg): 21.90 3dB Beamwidth (deg): 18.53

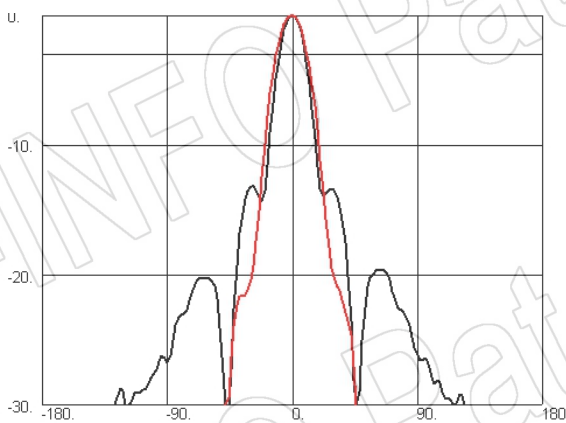
Frequency: 21.5GHz



H-Plane — E-Plane —

3dB Beamwidth (deg): 22.09 3dB Beamwidth (deg): 18.77

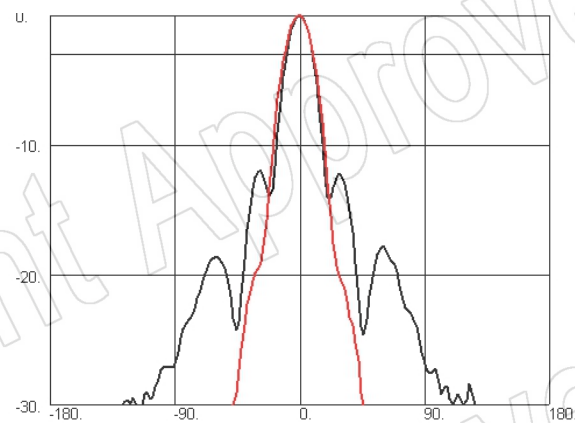
Frequency: 22.0GHz



H-Plane — E-Plane —

3dB Beamwidth (deg): 22.29 3dB Beamwidth (deg): 18.69

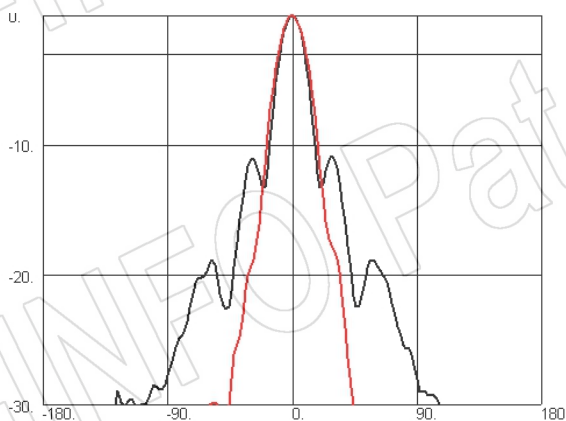
Frequency: 22.5GHz



H-Plane — E-Plane —

3dB Beamwidth (deg): 20.73 3dB Beamwidth (deg): 18.95

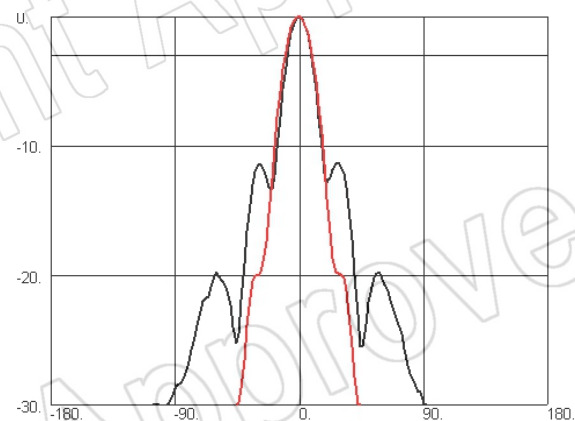
Frequency: 23.0GHz



H-Plane — E-Plane —

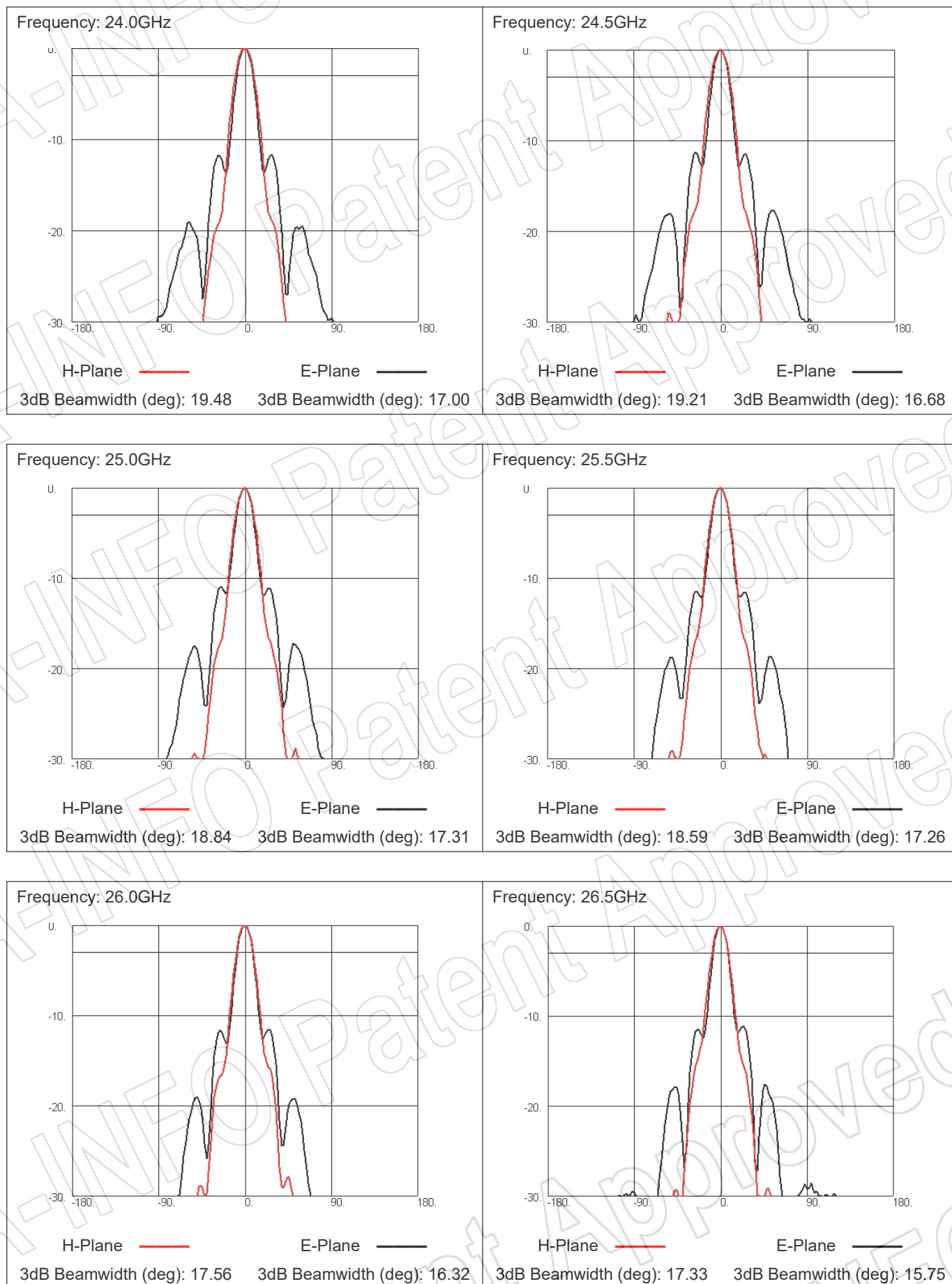
3dB Beamwidth (deg): 20.48 3dB Beamwidth (deg): 18.14

Frequency: 23.5GHz

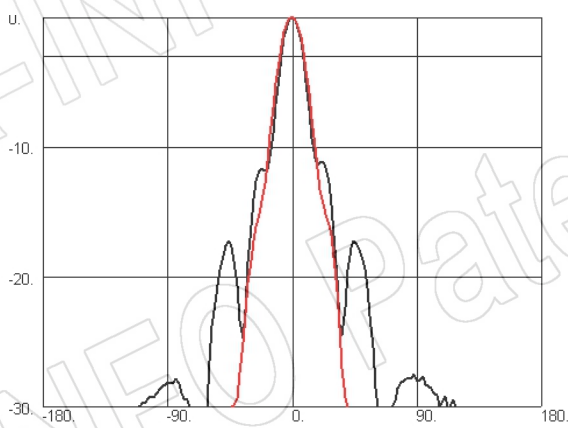


H-Plane — E-Plane —

3dB Beamwidth (deg): 19.63 3dB Beamwidth (deg): 17.62



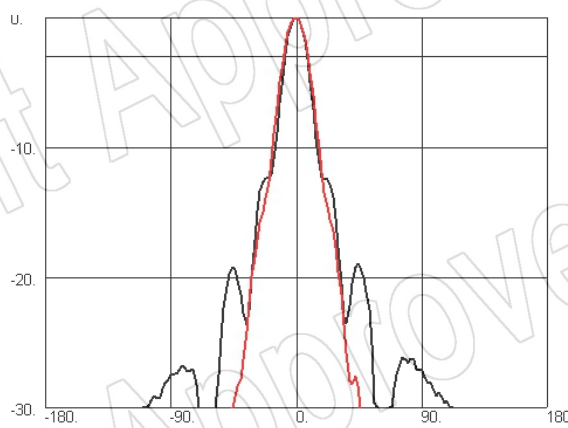
Frequency: 27.0GHz



H-Plane — E-Plane —

3dB Beamwidth (deg): 17.86 3dB Beamwidth (deg): 15.93

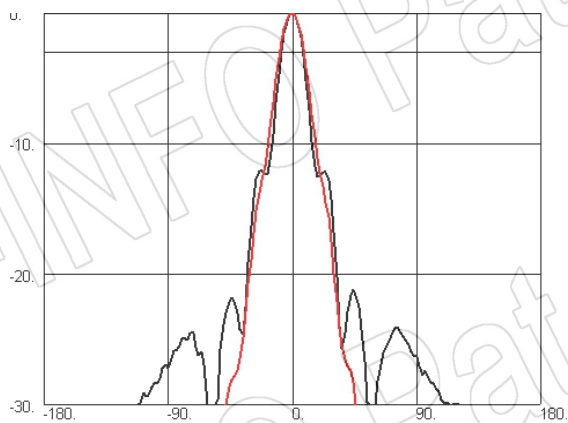
Frequency: 27.5GHz



H-Plane — E-Plane —

3dB Beamwidth (deg): 17.71 3dB Beamwidth (deg): 15.93

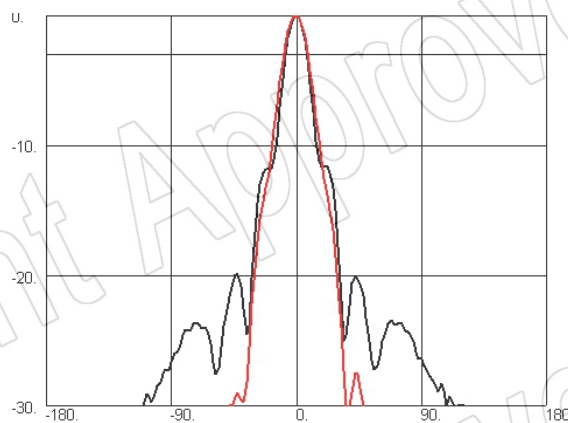
Frequency: 28.0GHz



H-Plane — E-Plane —

3dB Beamwidth (deg): 17.63 3dB Beamwidth (deg): 15.78

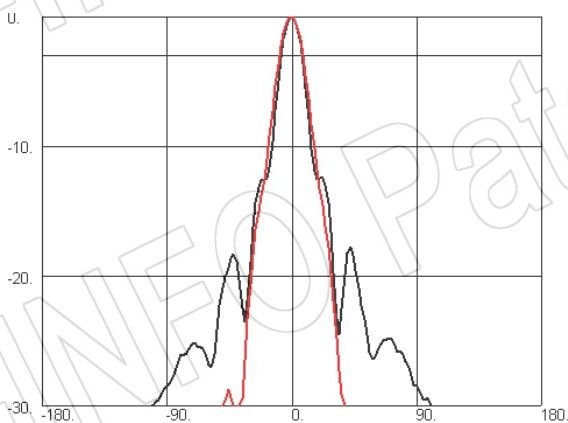
Frequency: 28.5GHz



H-Plane — E-Plane —

3dB Beamwidth (deg): 17.44 3dB Beamwidth (deg): 15.40

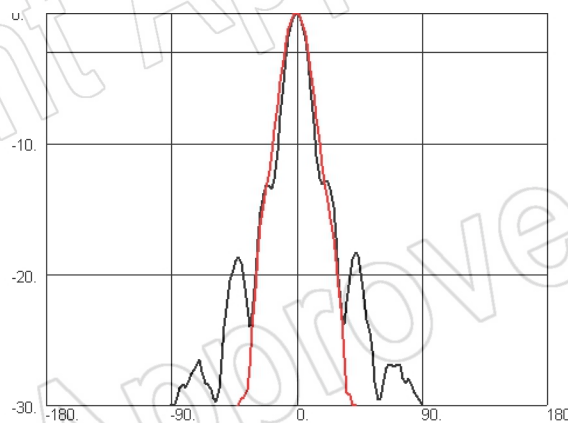
Frequency: 29.0GHz



H-Plane — E-Plane —

3dB Beamwidth (deg): 17.02 3dB Beamwidth (deg): 15.04

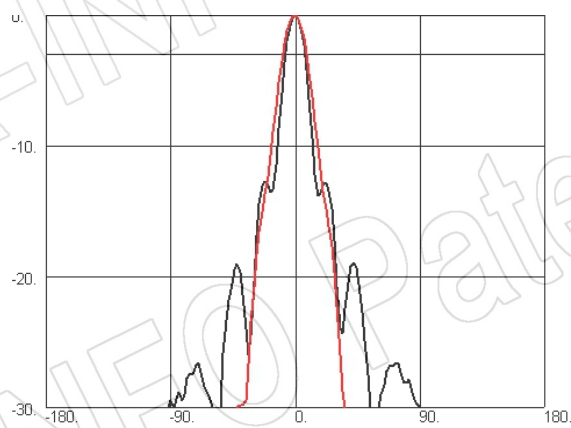
Frequency: 29.5GHz



H-Plane — E-Plane —

3dB Beamwidth (deg): 17.29 3dB Beamwidth (deg): 14.75

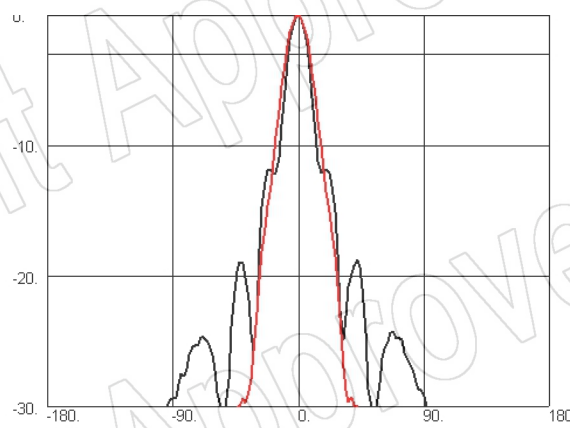
Frequency: 30.0GHz



H-Plane — E-Plane —

3dB Beamwidth (deg): 17.29 3dB Beamwidth (deg): 13.99

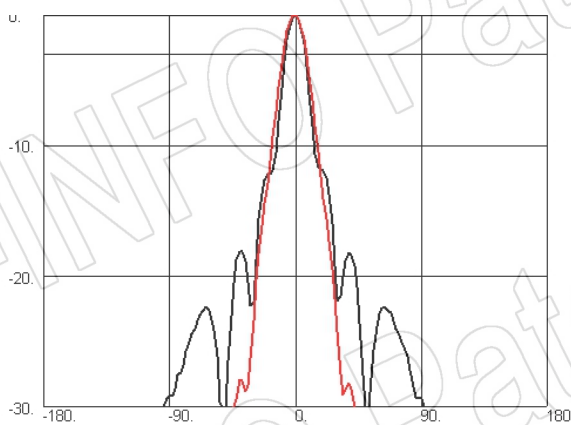
Frequency: 30.5GHz



H-Plane — E-Plane —

3dB Beamwidth (deg): 17.07 3dB Beamwidth (deg): 14.13

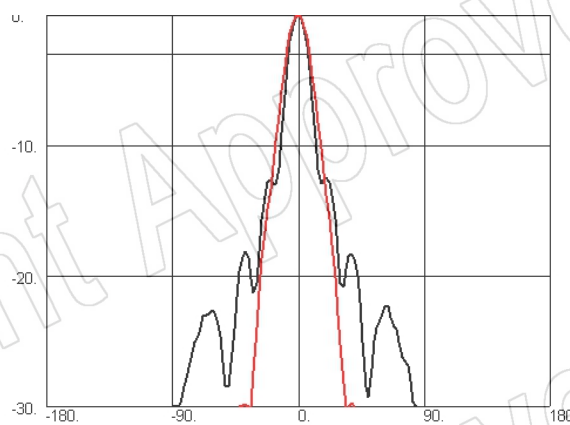
Frequency: 31.0GHz



H-Plane — E-Plane —

3dB Beamwidth (deg): 16.80 3dB Beamwidth (deg): 14.30

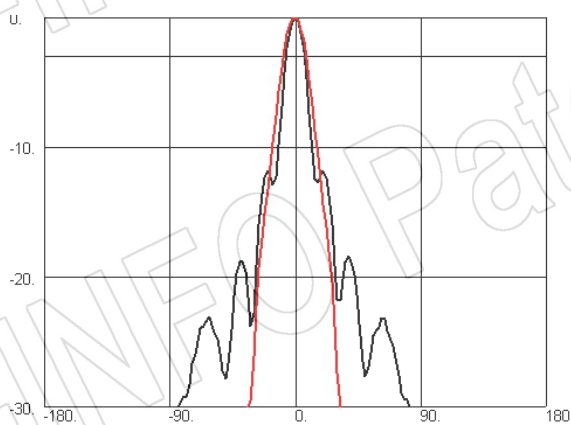
Frequency: 31.5GHz



H-Plane — E-Plane —

3dB Beamwidth (deg): 16.65 3dB Beamwidth (deg): 13.84

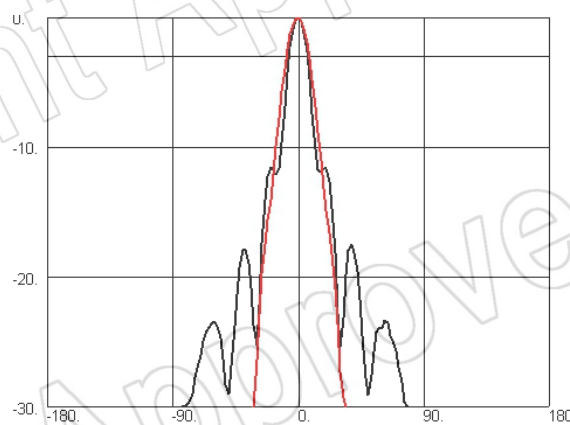
Frequency: 32.0GHz



H-Plane — E-Plane —

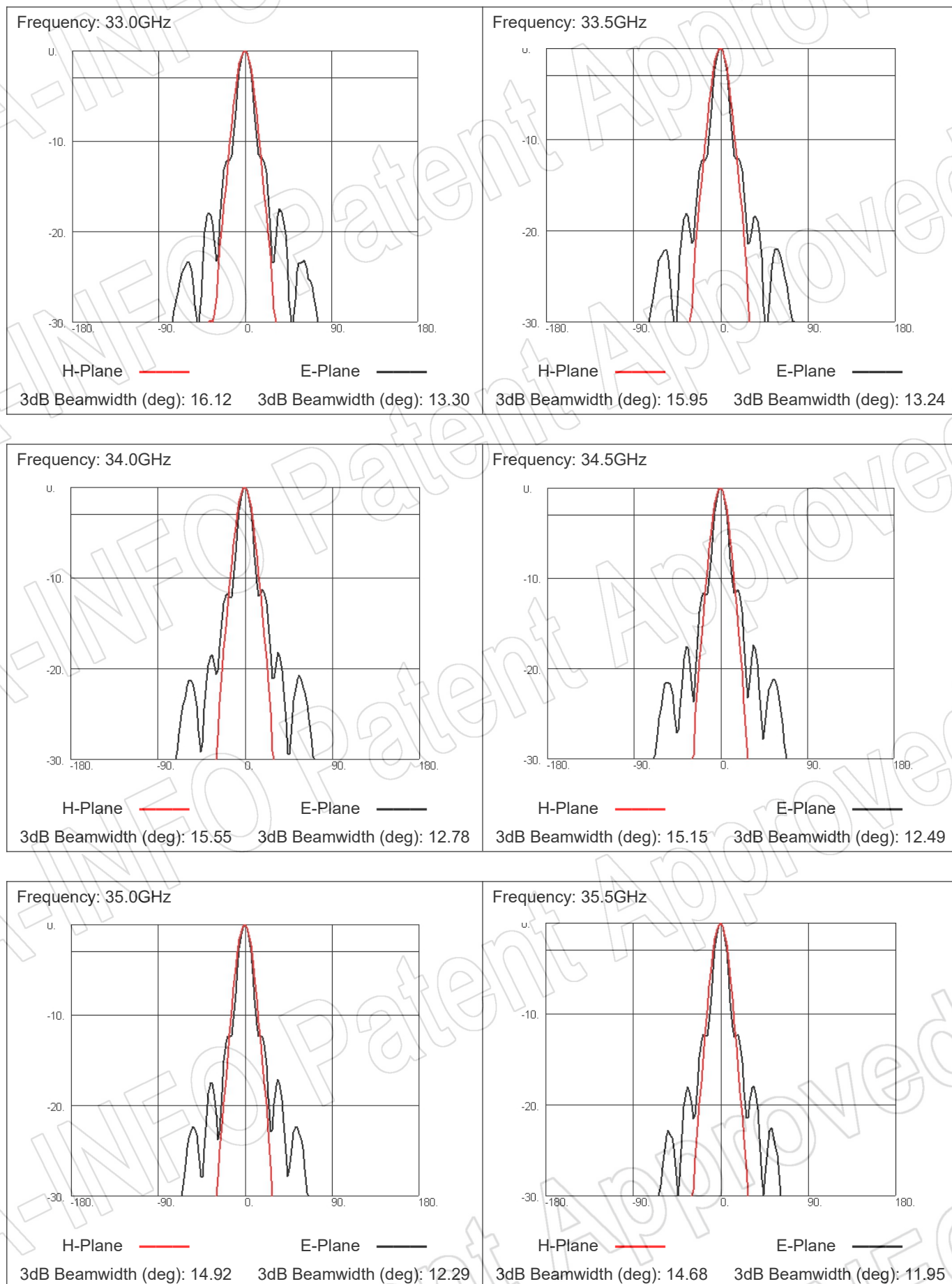
3dB Beamwidth (deg): 16.51 3dB Beamwidth (deg): 13.05

Frequency: 32.5GHz

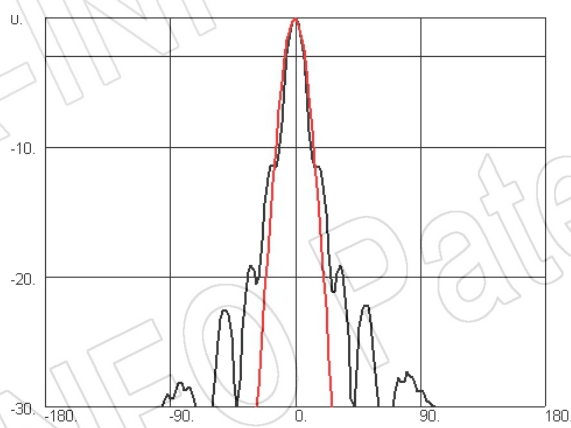


H-Plane — E-Plane —

3dB Beamwidth (deg): 16.42 3dB Beamwidth (deg): 13.07



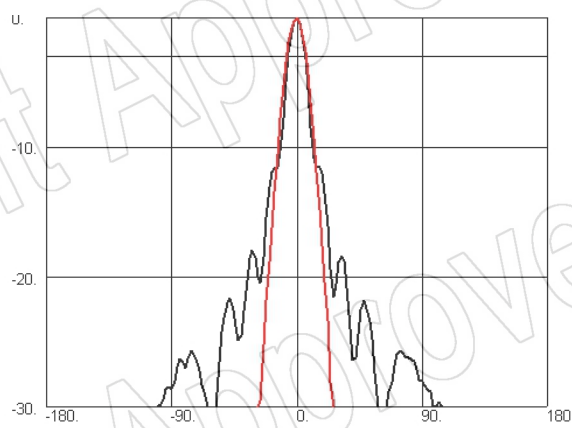
Frequency: 36.0GHz



H-Plane — E-Plane —

3dB Beamwidth (deg): 14.39 3dB Beamwidth (deg): 11.89

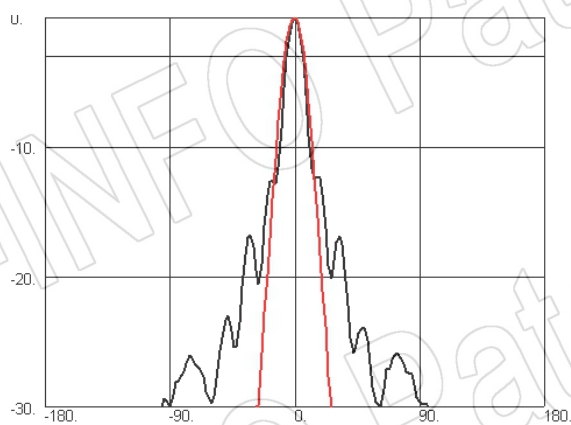
Frequency: 36.5GHz



H-Plane — E-Plane —

3dB Beamwidth (deg): 13.90 3dB Beamwidth (deg): 12.08

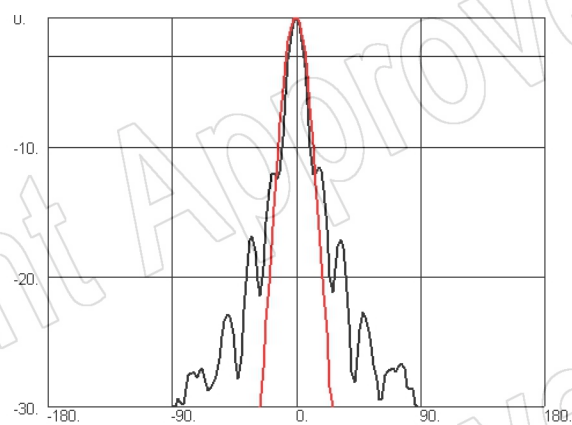
Frequency: 37.0GHz



H-Plane — E-Plane —

3dB Beamwidth (deg): 14.05 3dB Beamwidth (deg): 11.60

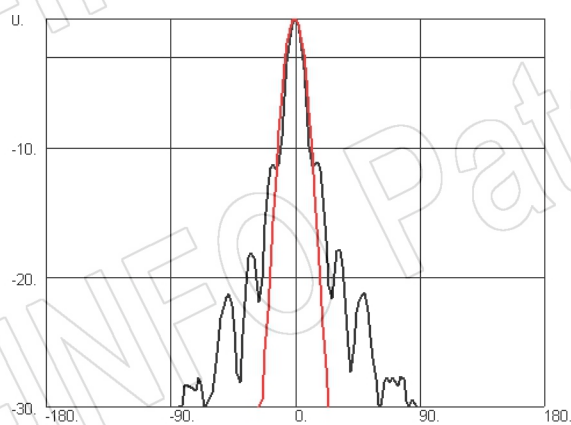
Frequency: 37.5GHz



H-Plane — E-Plane —

3dB Beamwidth (deg): 13.99 3dB Beamwidth (deg): 10.87

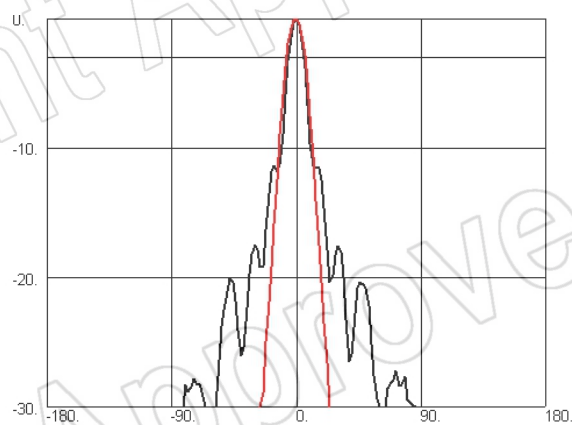
Frequency: 38.0GHz



H-Plane — E-Plane —

3dB Beamwidth (deg): 13.62 3dB Beamwidth (deg): 10.79

Frequency: 38.5GHz



H-Plane — E-Plane —

3dB Beamwidth (deg): 13.36 3dB Beamwidth (deg): 10.91

