

Technical Specification



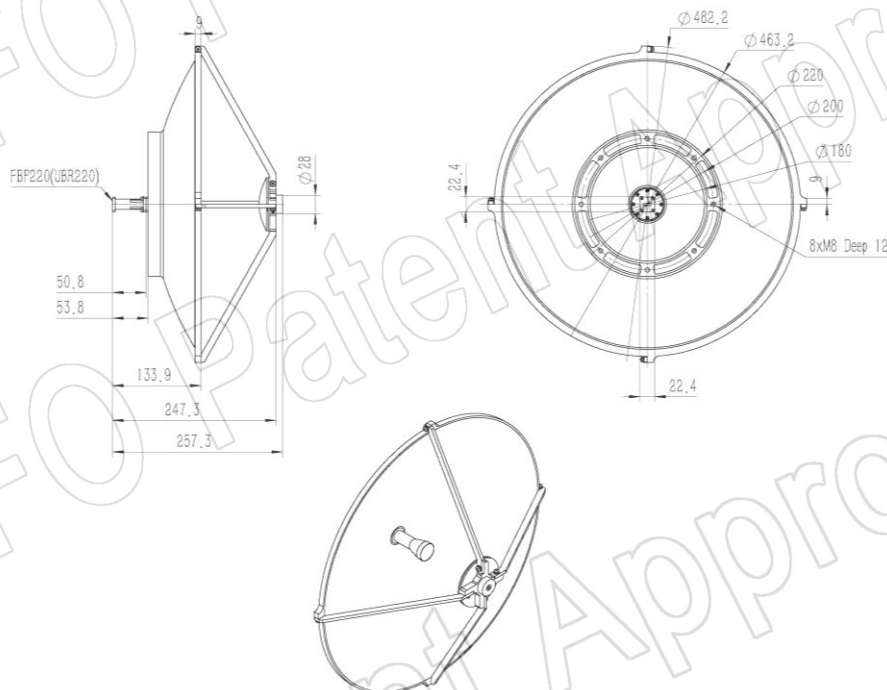
Frequency Range(GHz)	18.0 – 26.5
Waveguide	WR42
Gain(dBi)	35 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 2 Typ.
	H Plane: 2 Typ.
Sidelobe Level(dB)	E Plane: 15 Typ.
	H Plane: 15 Typ.
Cross Pol. Isolation(dB)	40 Typ.
VSWR	A Type: 1.30:1 Typ.
	C Type: 1.40:1 Typ.
Output	A Type: FBP220(UBR220)
	C Type: SMA-Female or 2.92mm-Female
Material	Al
Size(mm)	A Type: 482.2 x 482.2 x 257.3
	C Type: 482.2 x 482.2 x 292.3
Net Weight(Kg)	A Type: 2.56 Around
	C Type: 2.64 Around

PATENT ID (China)

ZL202130167432.2

Outline Drawing (Size: mm)

FBP220 Output (P/N: KSC-42-40-A)



AINFO Inc.

Page 1 of 12

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

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

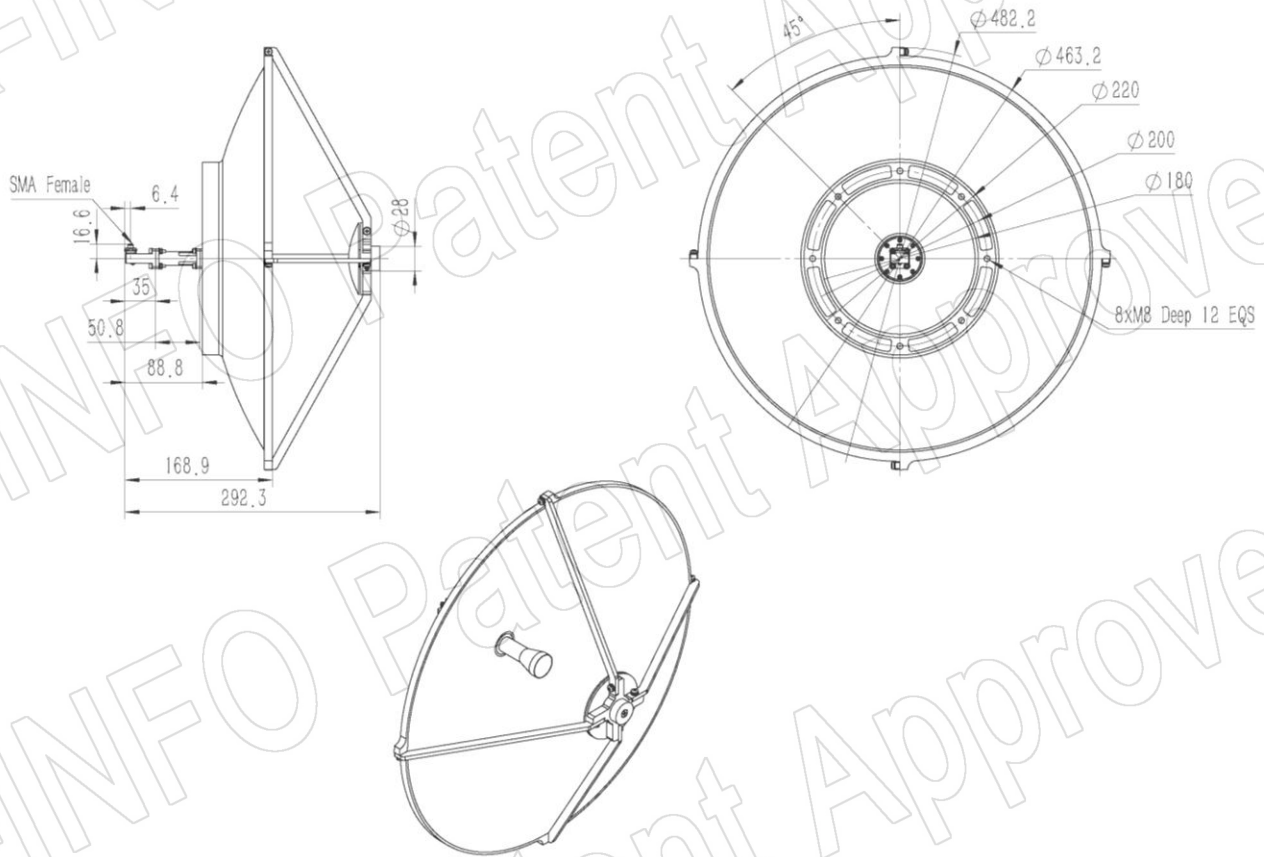
(+86) 10-6266-7327
(+86) 28-8519-3044
(+1) 949-639-9608

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

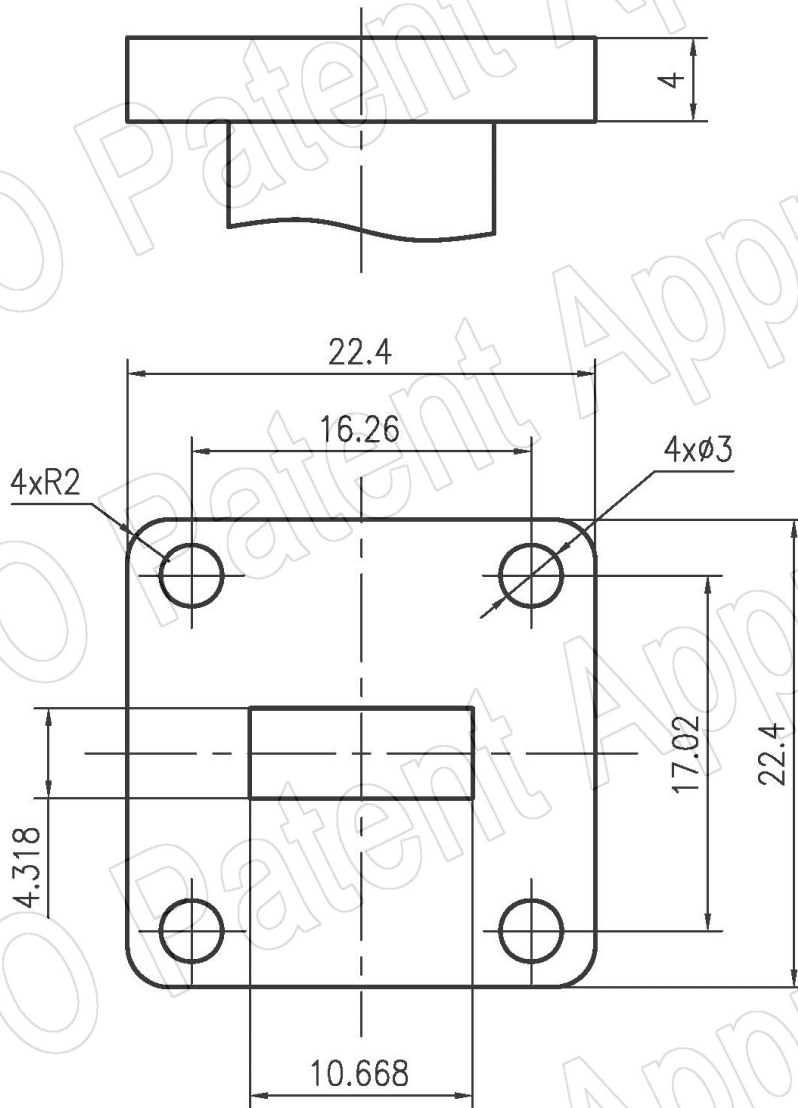
Website: www.ainfoinc.com
Email: sales@ainfoinc.com

SMA-Female Output (P/N: KSC-42-40-C-SF)

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



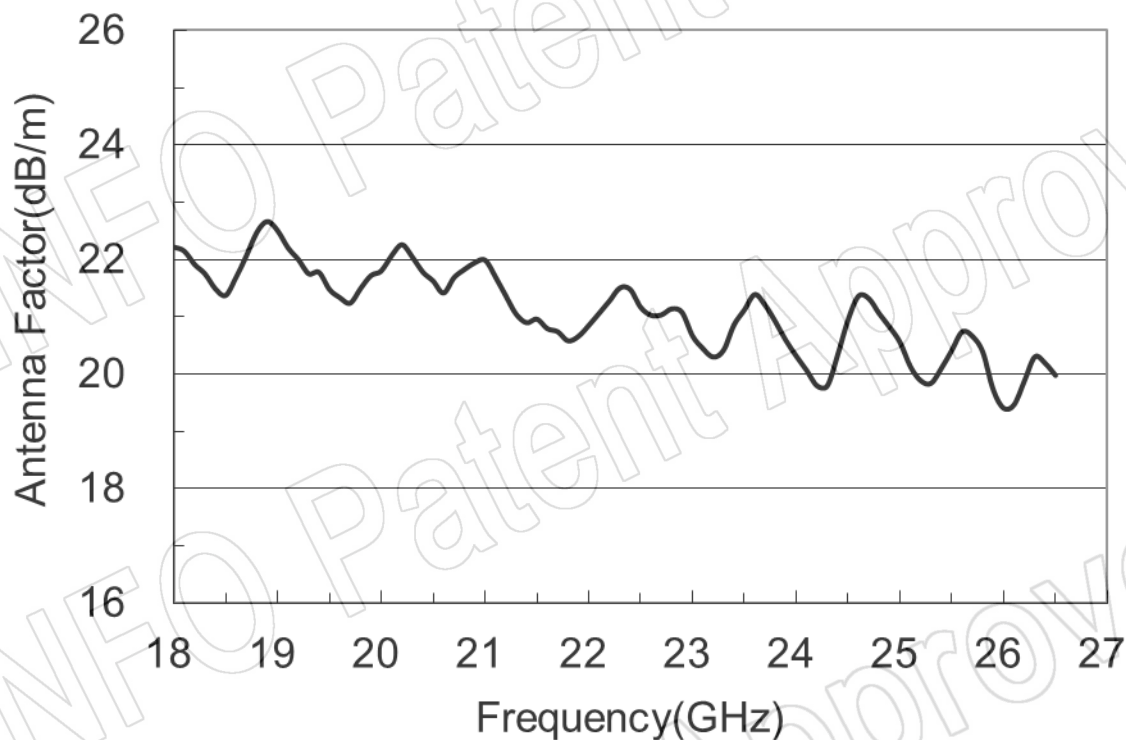
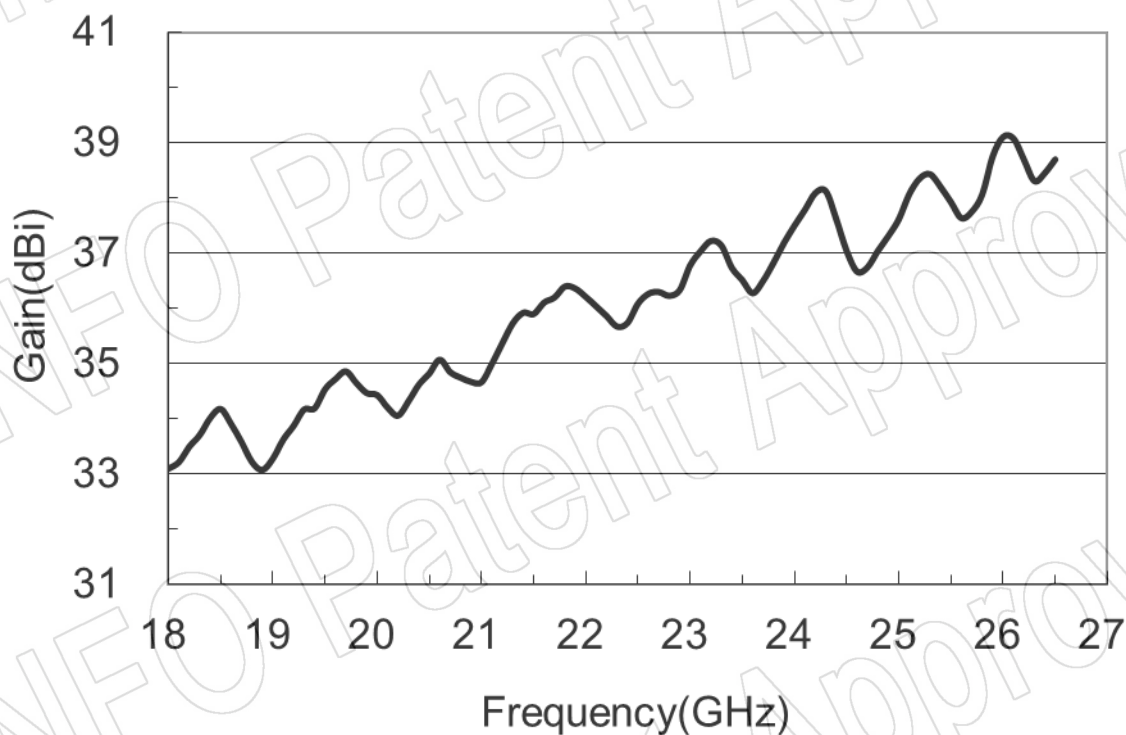
Flange Drawing (Size: mm)



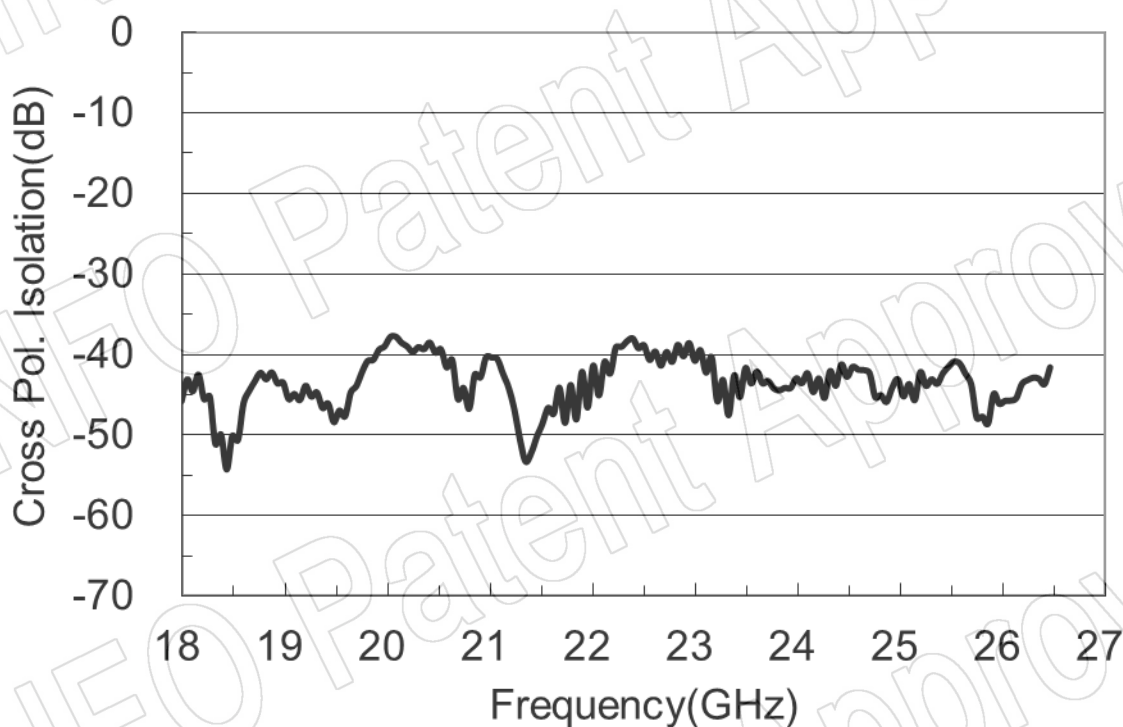
FBP220

Test Results

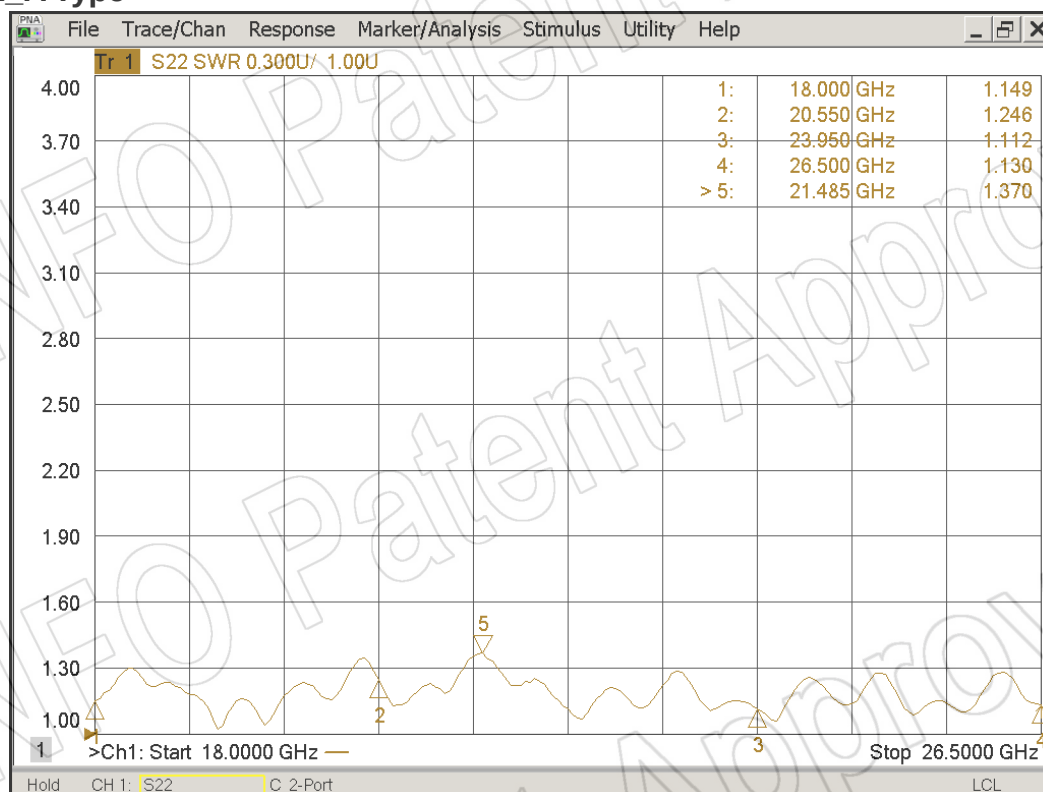
1. Gain & Antenna Factor



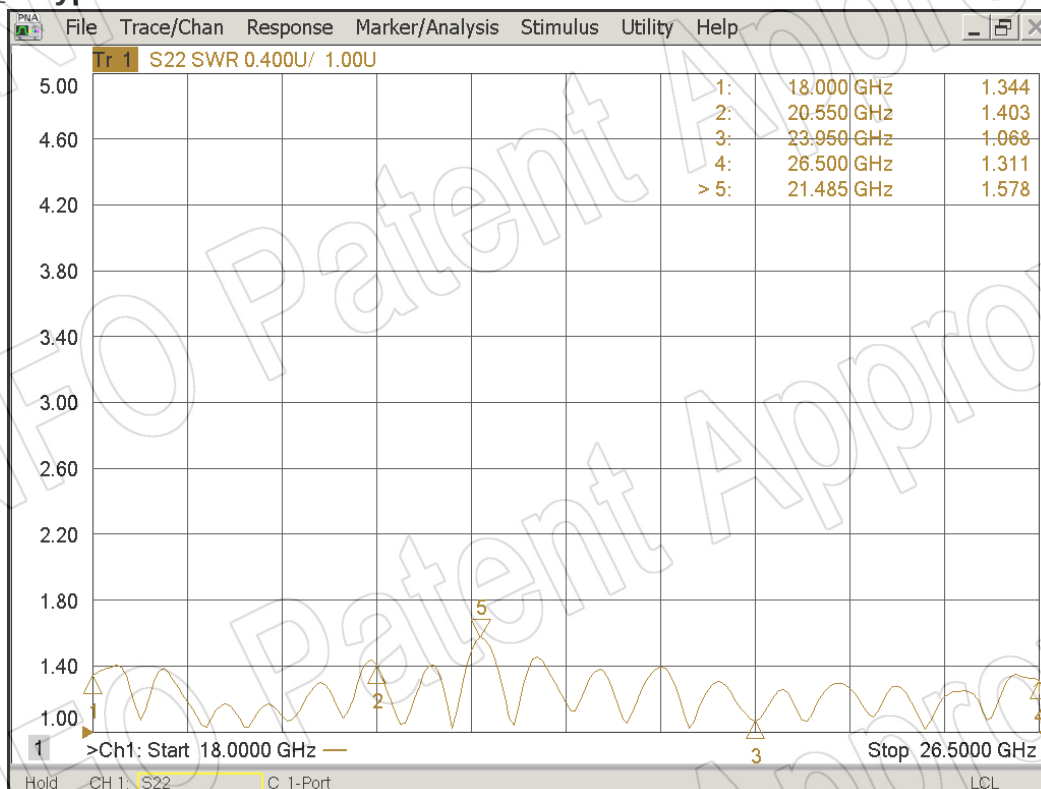
2. Cross Polarization Isolation



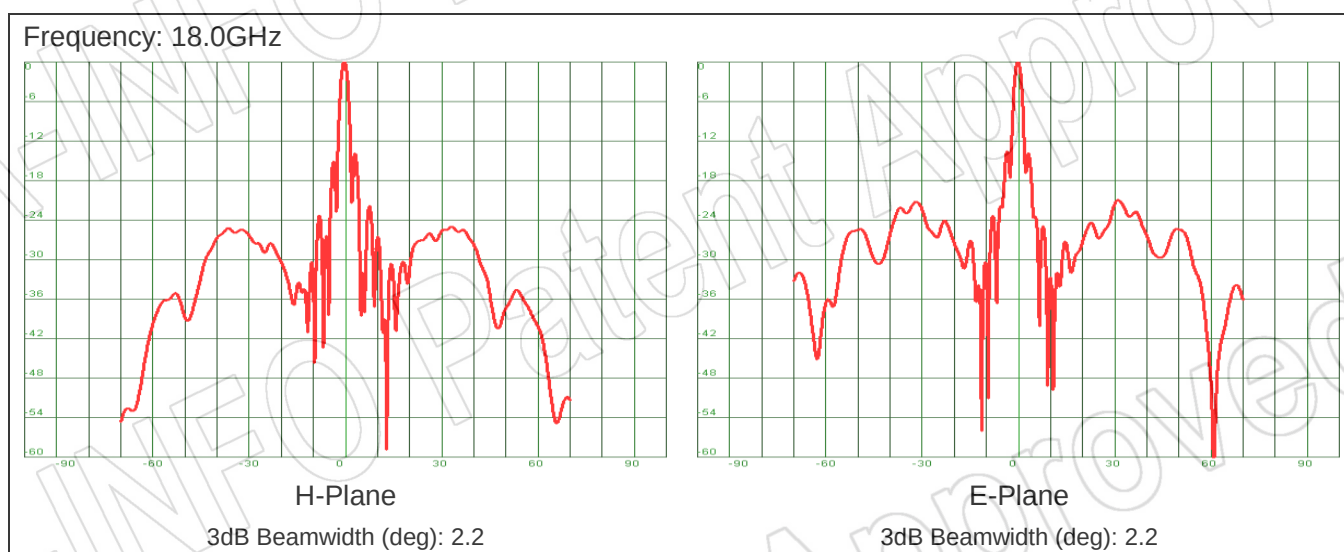
3. VSWR_A Type

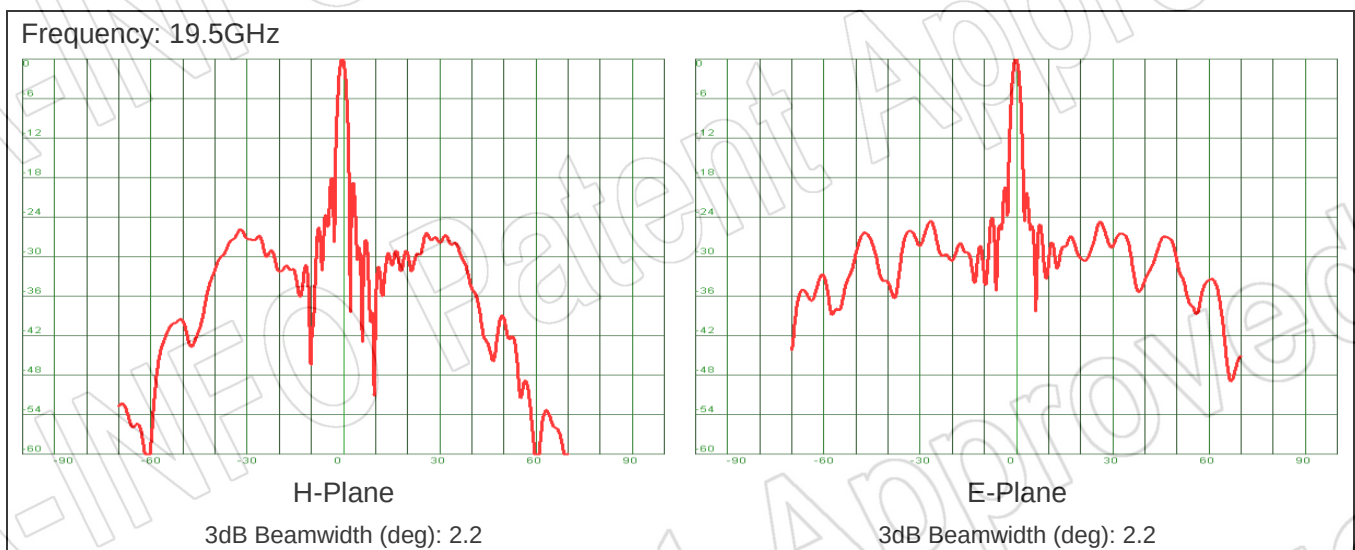
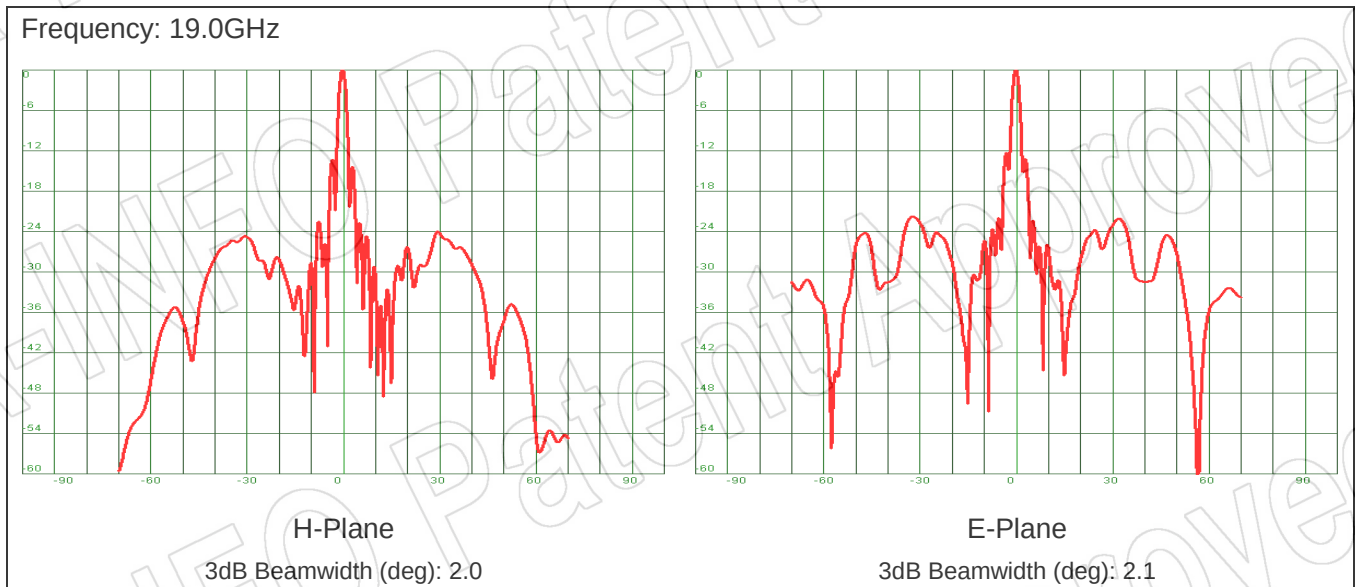
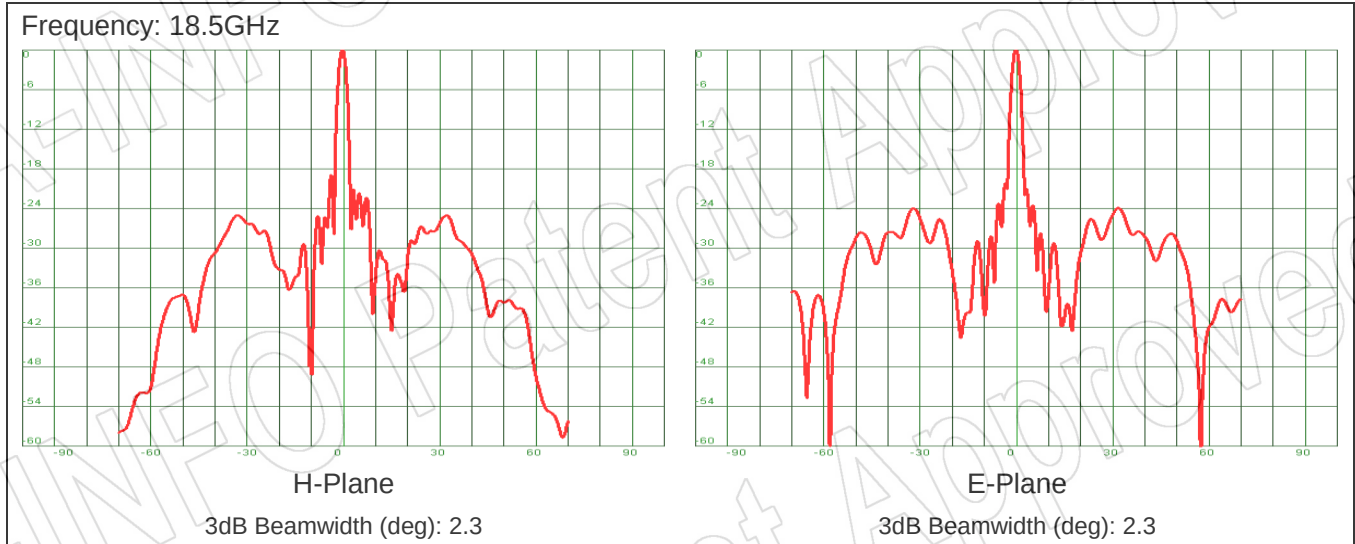


VSWR_C Type

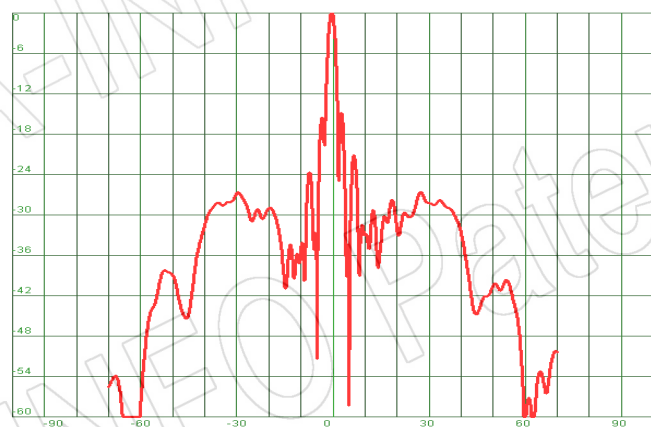


4. Pattern



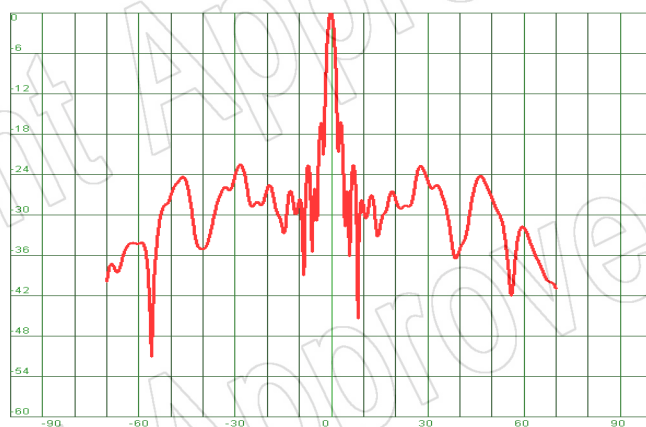


Frequency: 20.0GHz



H-Plane

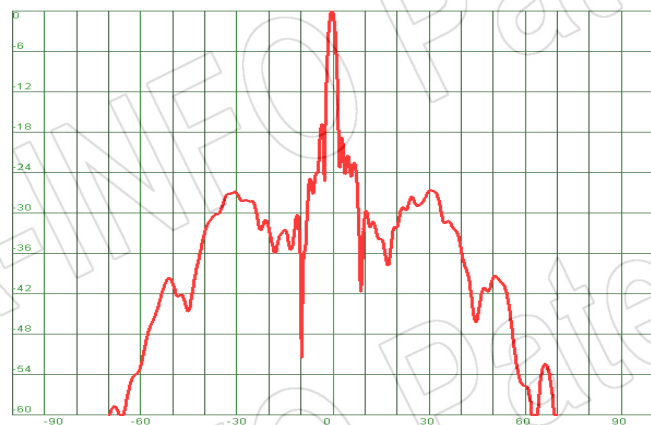
3dB Beamwidth (deg): 2.0



E-Plane

3dB Beamwidth (deg): 2.0

Frequency: 20.5GHz



H-Plane

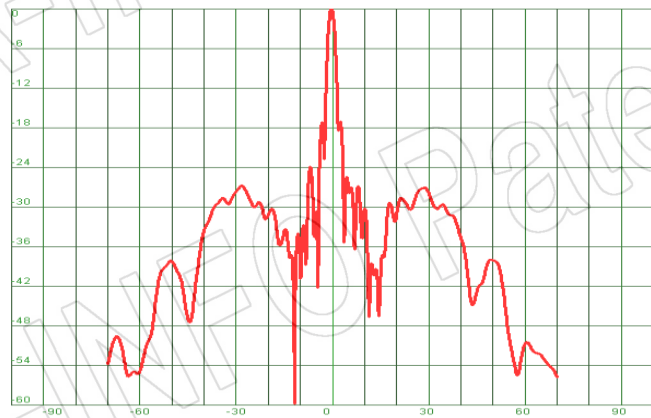
3dB Beamwidth (deg): 2.1



E-Plane

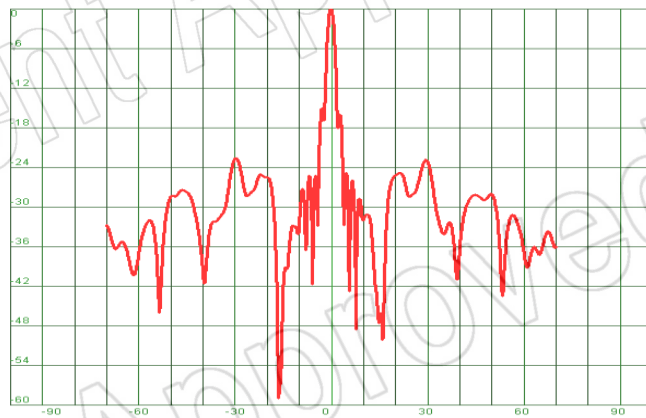
3dB Beamwidth (deg): 2.1

Frequency: 21.0GHz



H-Plane

3dB Beamwidth (deg): 2.0



E-Plane

3dB Beamwidth (deg): 1.9

AINFO Inc.

Page 8 of 12

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

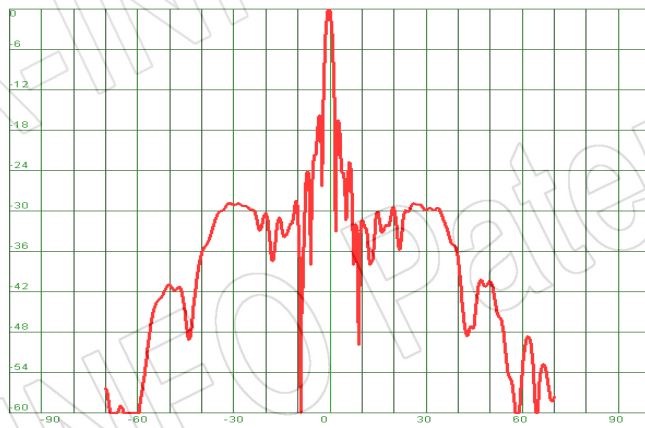
Tel: (+86) 10-6266-7326,
Tel: (+86) 28-8519-2786,
Tel: (+1) 949-639-9688,

(+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

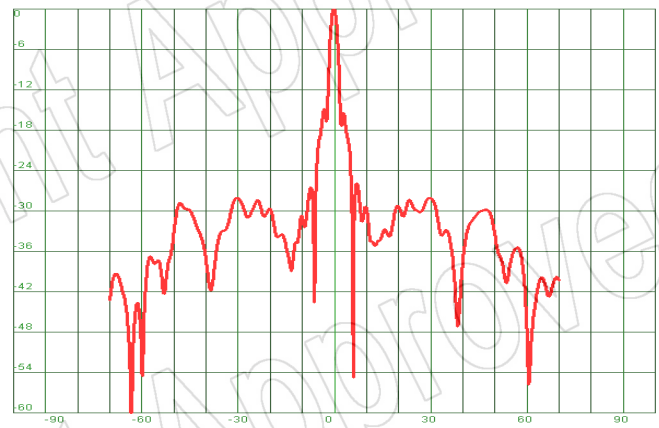
Website: www.ainfoinc.com
Email: sales@ainfoinc.com

Frequency: 21.5GHz



H-Plane

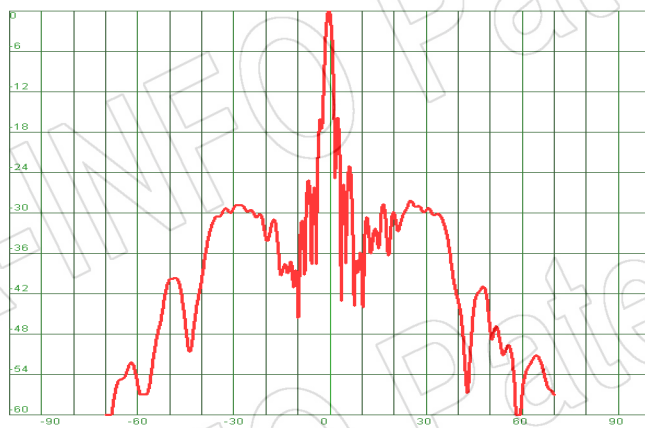
3dB Beamwidth (deg): 1.9



E-Plane

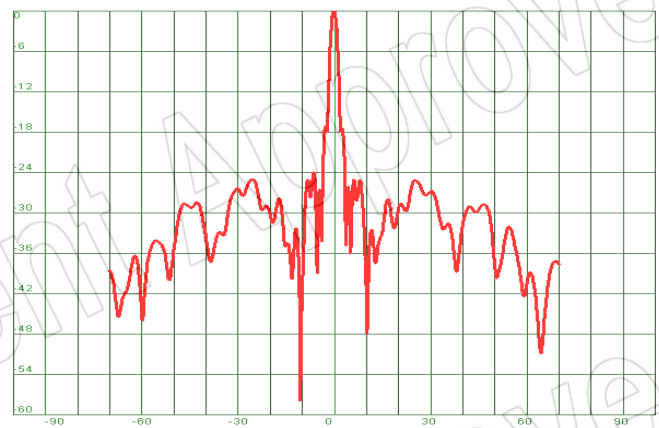
3dB Beamwidth (deg): 2.0

Frequency: 22.0GHz



H-Plane

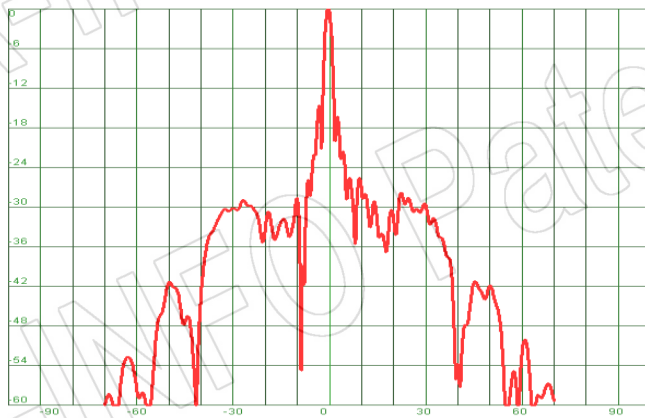
3dB Beamwidth (deg): 1.8



E-Plane

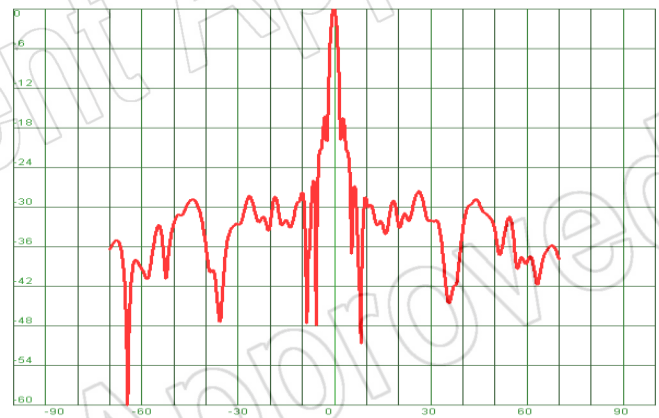
3dB Beamwidth (deg): 1.9

Frequency: 22.5GHz



H-Plane

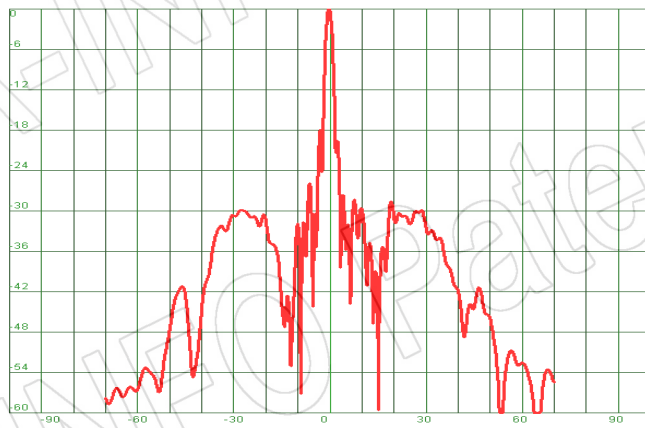
3dB Beamwidth (deg): 1.9



E-Plane

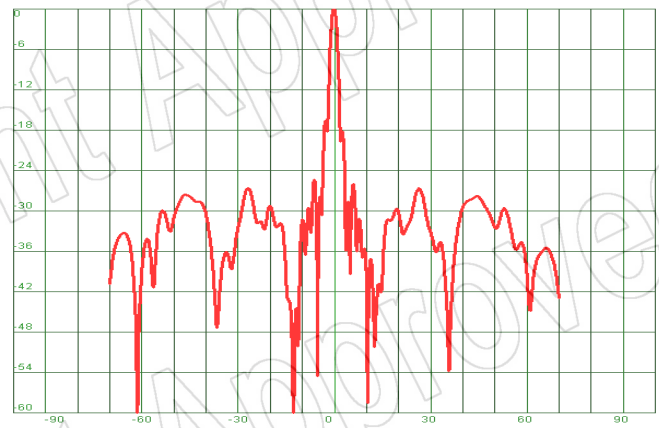
3dB Beamwidth (deg): 1.9

Frequency: 23.0GHz



H-Plane

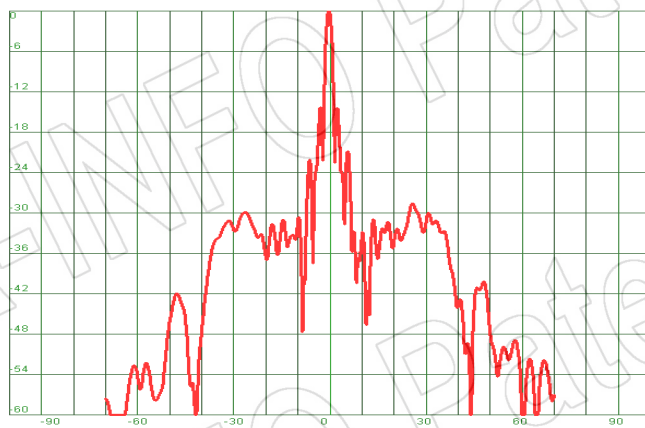
3dB Beamwidth (deg): 1.8



E-Plane

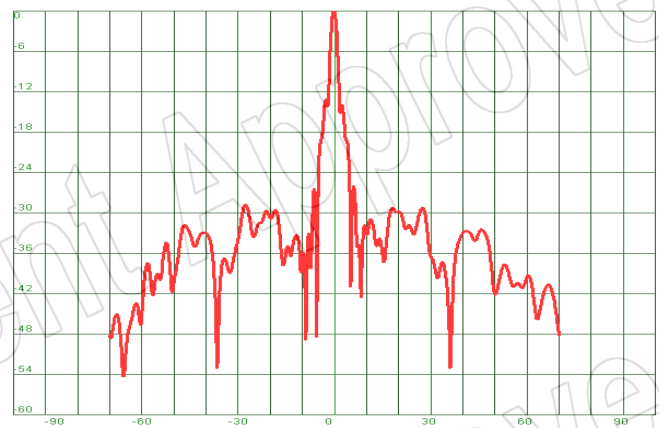
3dB Beamwidth (deg): 1.8

Frequency: 23.5GHz



H-Plane

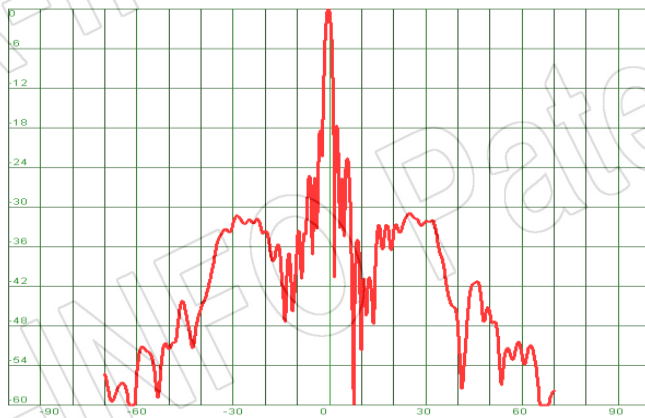
3dB Beamwidth (deg): 1.7



E-Plane

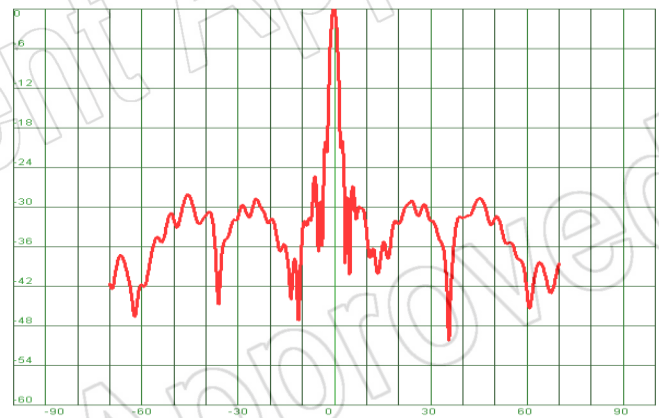
3dB Beamwidth (deg): 1.8

Frequency: 24.0GHz



H-Plane

3dB Beamwidth (deg): 1.7



E-Plane

3dB Beamwidth (deg): 1.8

