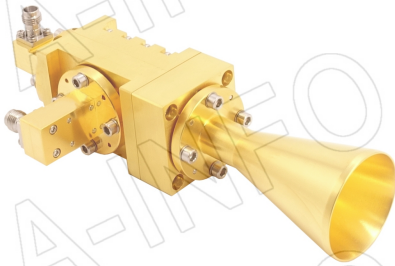


For reference only. See data sheet for the detailed specifications.

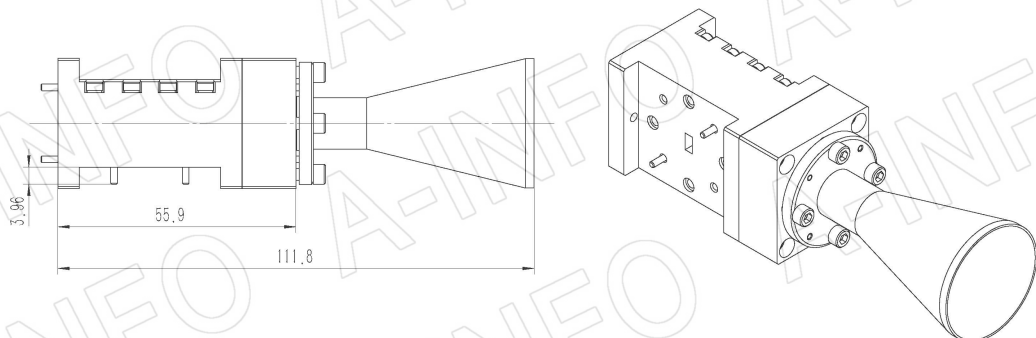
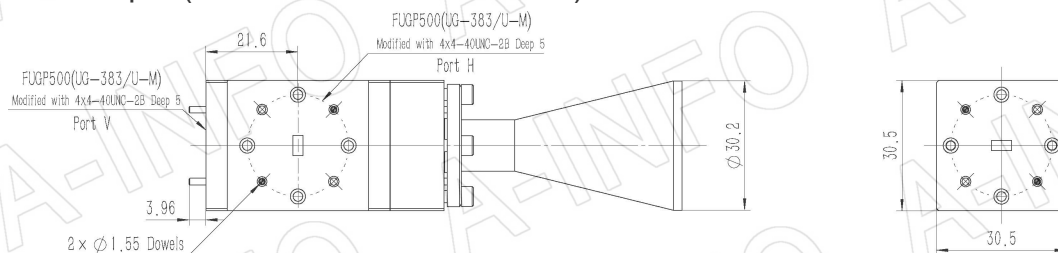
Technical Specification



Frequency Range(GHz)	A Type, WG output: 40.0 – 60.0
	C Type, 1.85mm-F: 40.0 – 60.0
	C Type, 2.4mm-F: 40.0 – 50.0
Waveguide	WR19
Gain(dBi)	20 Typ.
Polarization	Dual Linear
3dB Beamwidth(deg)	E Plane: 12 Typ.
	H Plane: 15 Typ.
Cross Pol. Isolation(dB)	35 Typ.
Port to Port Isolation(dB)	45 Typ. ; 35 Min.
VSWR	A Type: 1.5:1 Max.
	C Type: 2.0:1 Max.
Output	A Type: FUGP500(UG-383/U-M)
	C Type: 1.85mm-Female or 2.4mm-Female
Material	Cu
Finish	Gold Plated
Size(mm)	A Type: 30.5 x 30.5 x 111.8
	C Type: 51.5 x 32.3 x 137.8
Net Weight(Kg)	A Type: 0.37 Around
	C Type: 0.45 Around

Outline Drawing (Size: mm)

FUGP500 Output (P/N: LB-CN-19-20-T02-A)



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

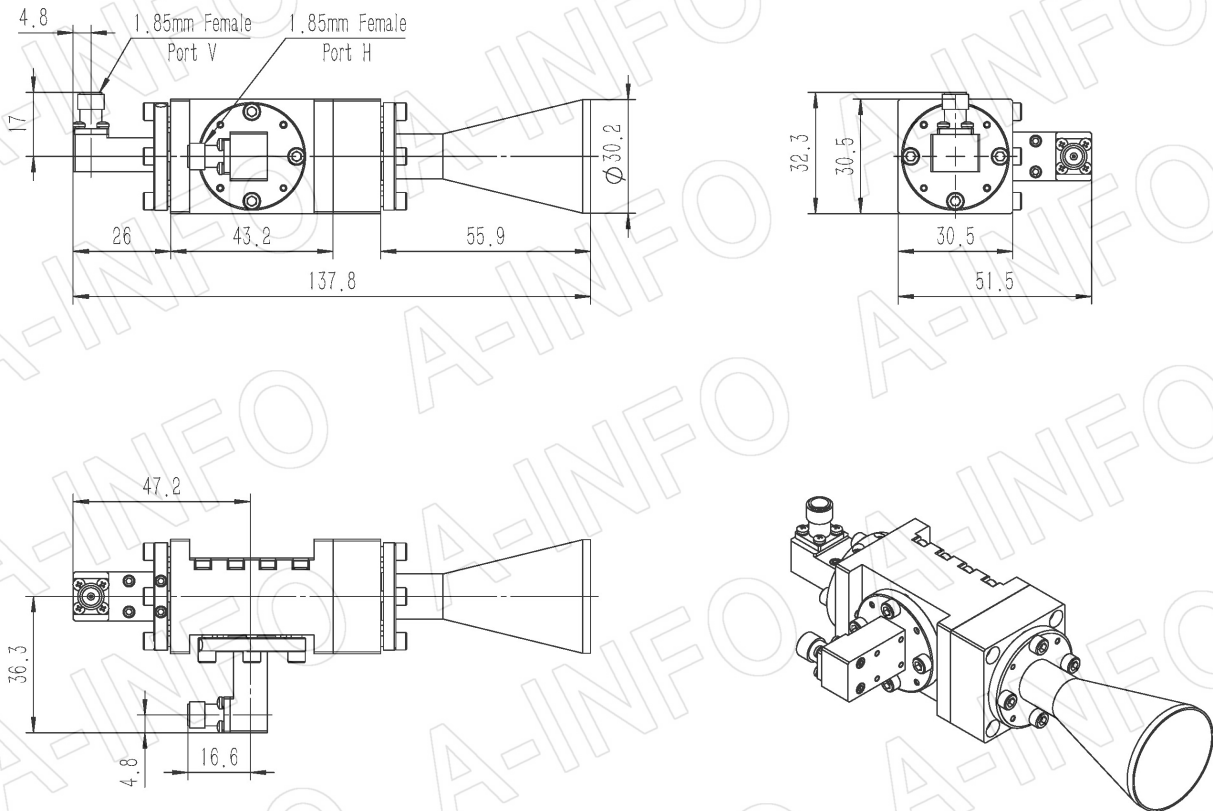
Page 1 of 13

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

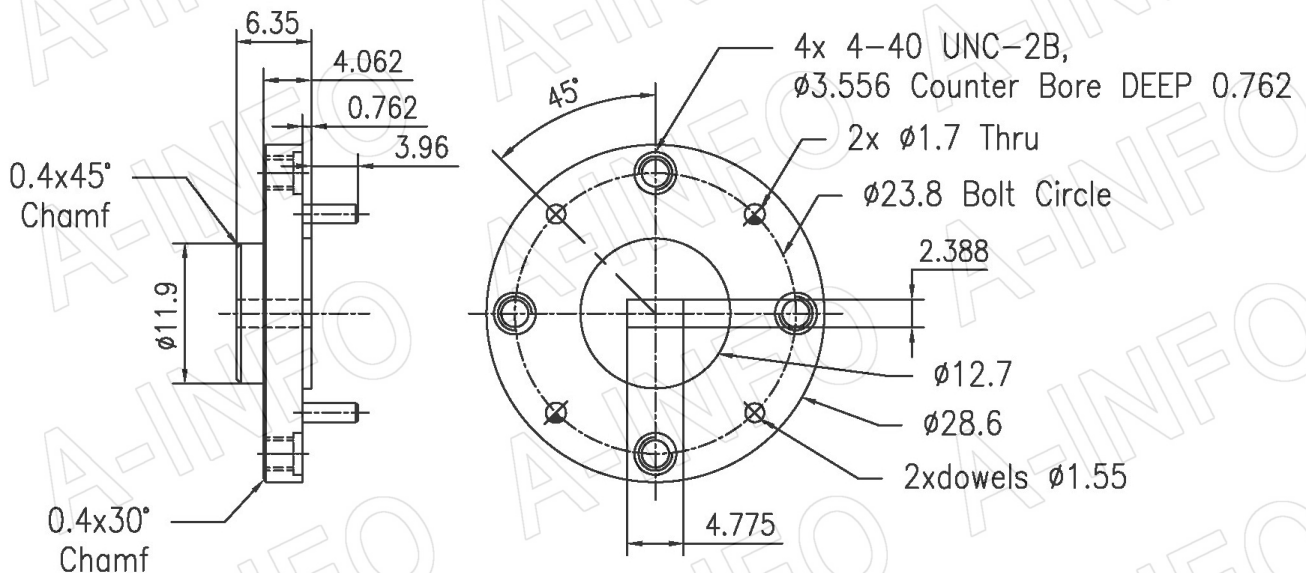
Website: www.ainfoinc.com
Email: sales@ainfoinc.com

1.85mm-Female Output (P/N: LB-CNH-19-20-T02-C-1.85F)

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



Flange Drawing (Size: mm)



FUGP500
(equivalent to UG-383/U-M)

AINFO Inc.

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

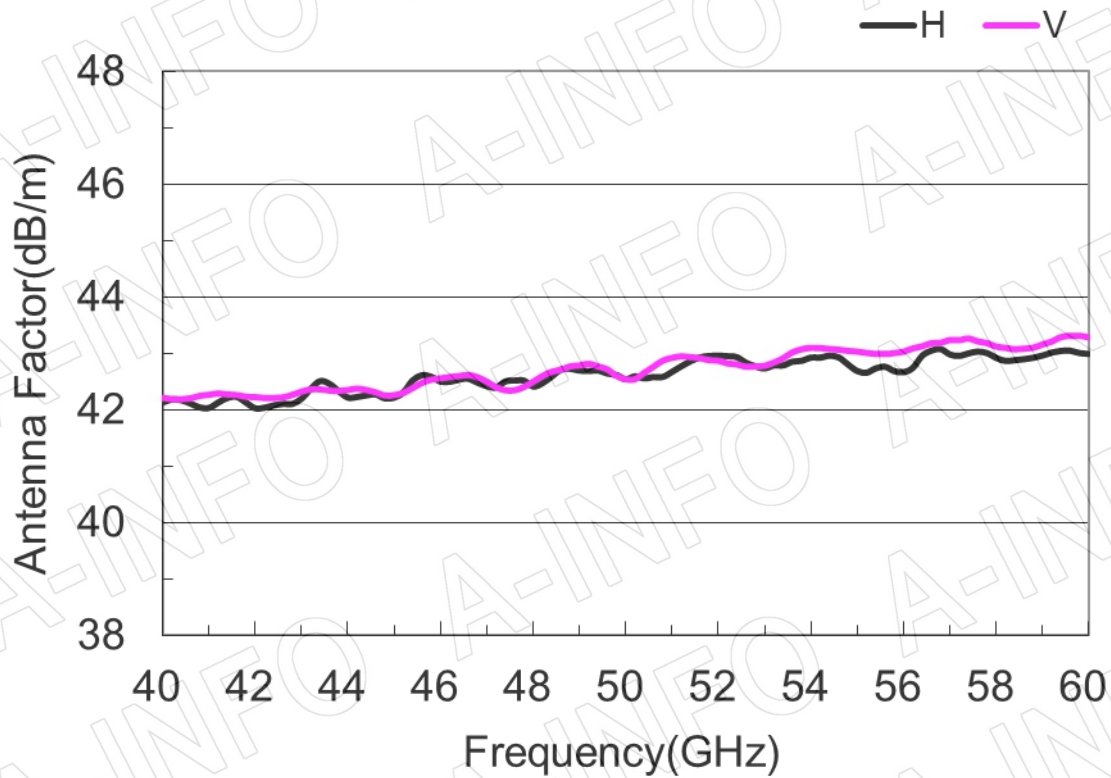
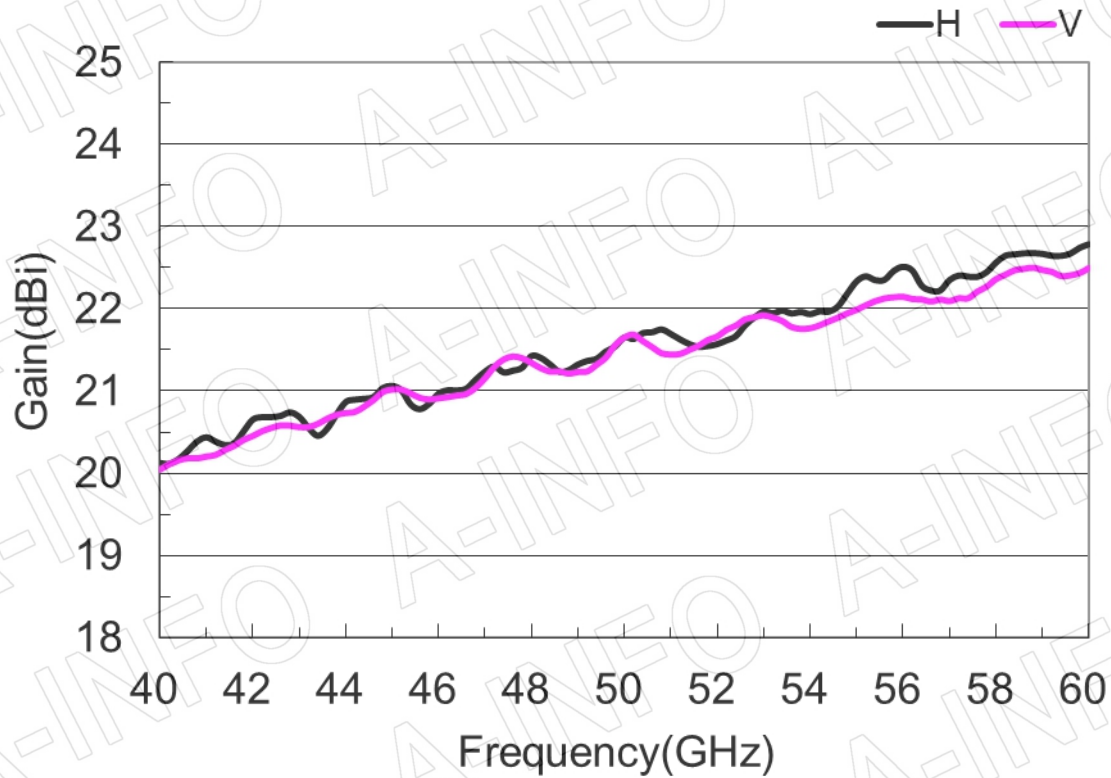
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(+86) 28-8519-3044 Fax: (+86) 28-8519-3068
(+1) 949-639-9608 Fax: (+1) 949-639-9670

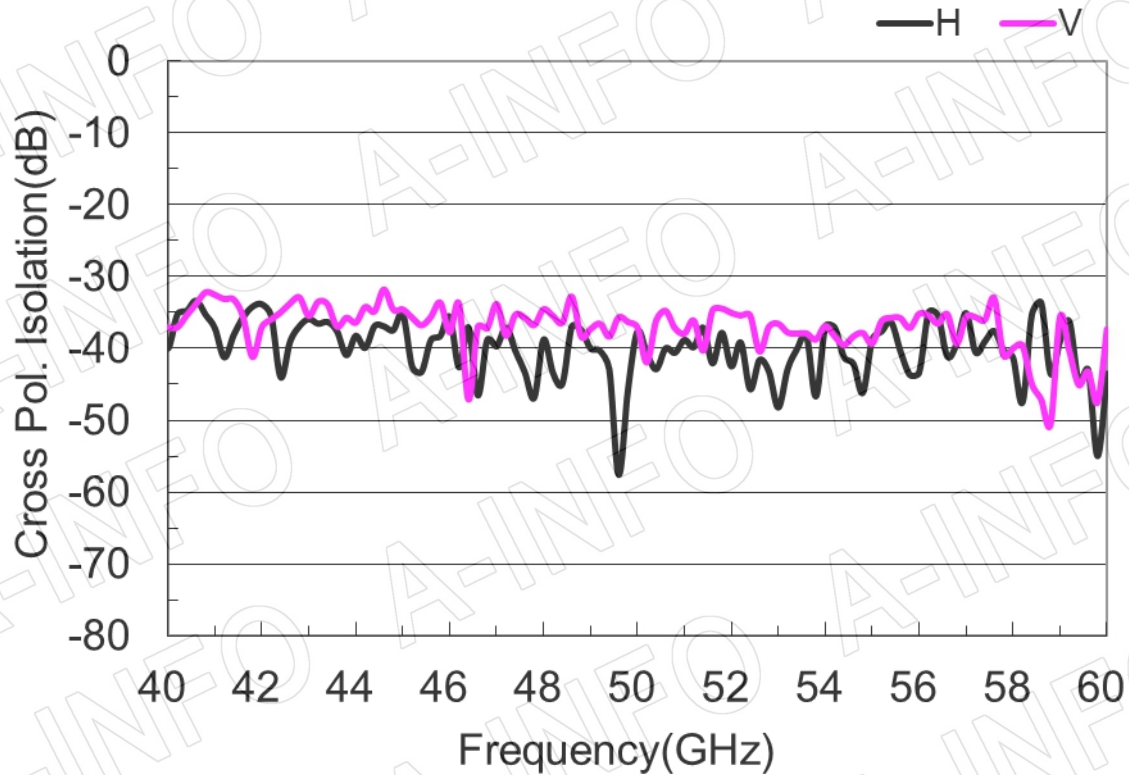
Website: www.ainfoinc.com
Email: sales@ainfoinc.com

Test Results

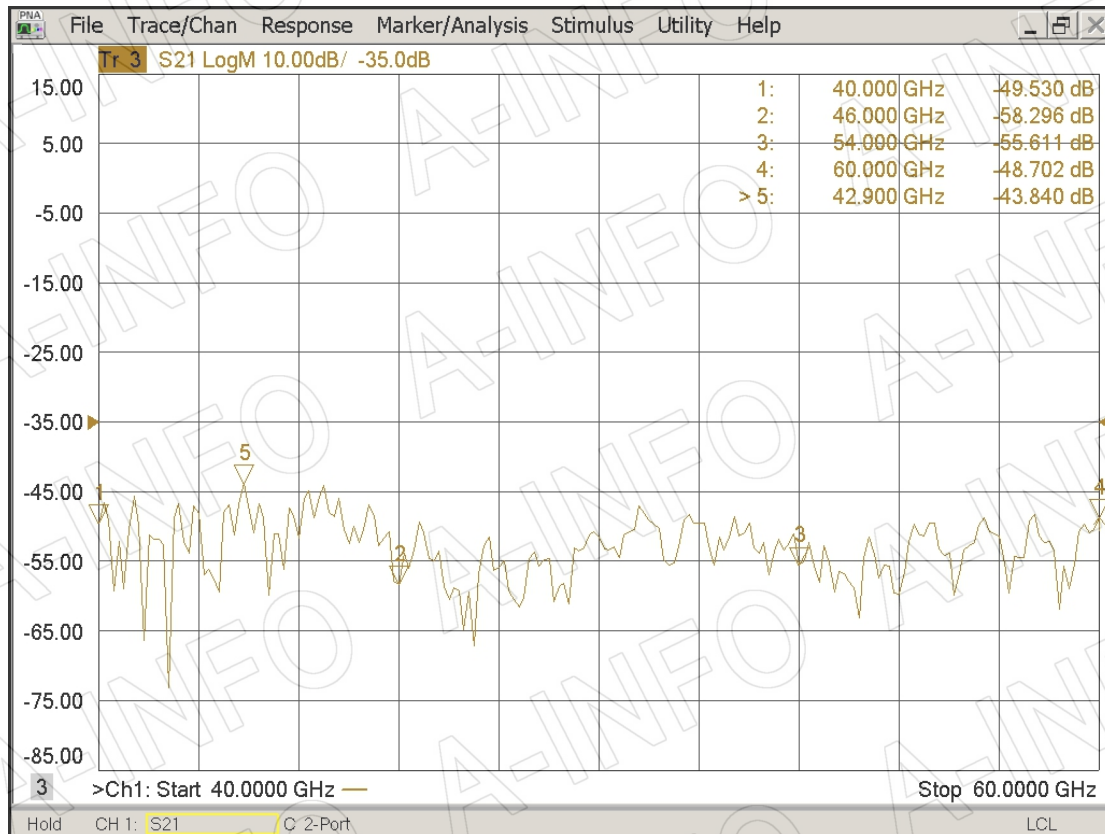
1. Gain & Antenna Factor



2. Cross Polarization Isolation

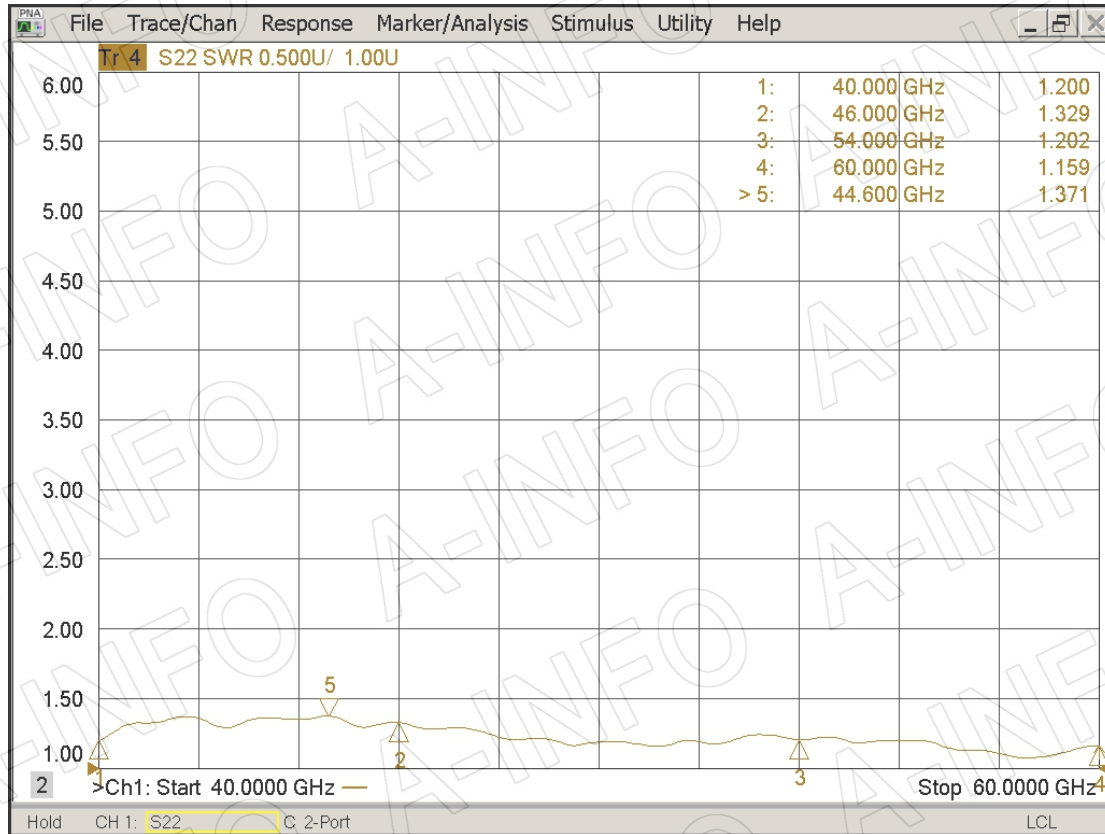


3. Port to Port Isolation

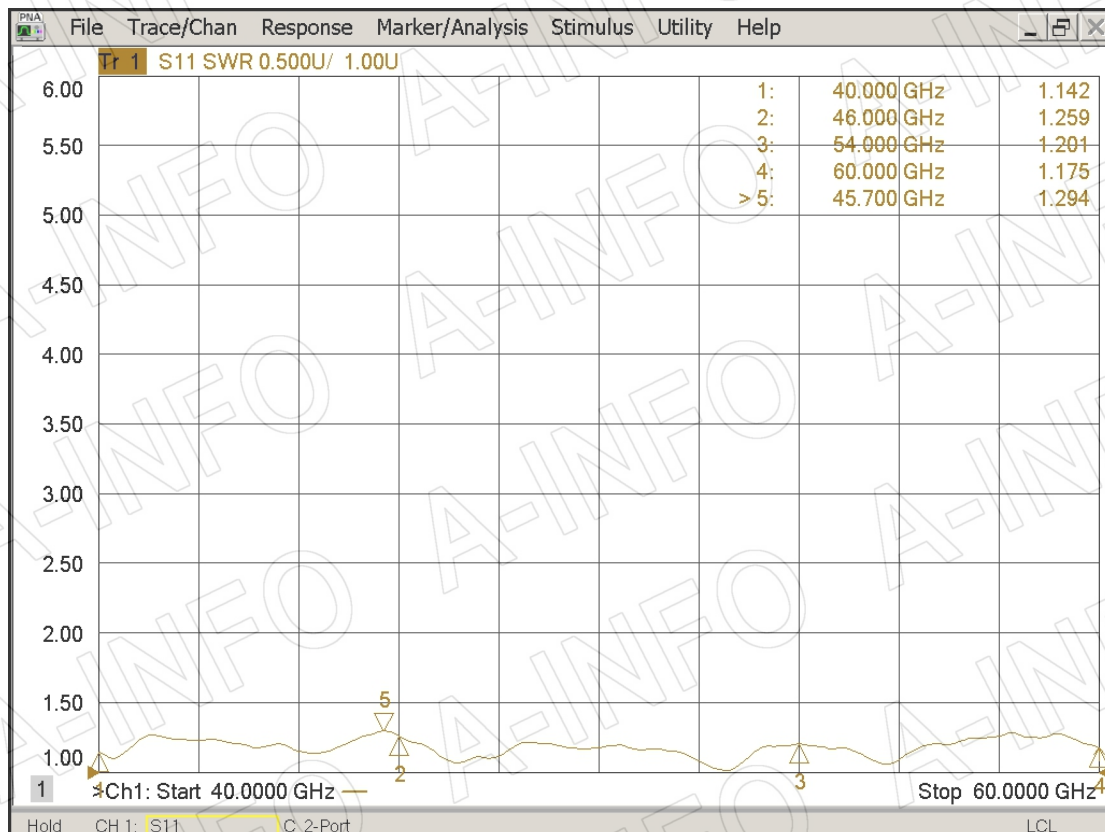


4. VSWR_A Type

Port-H

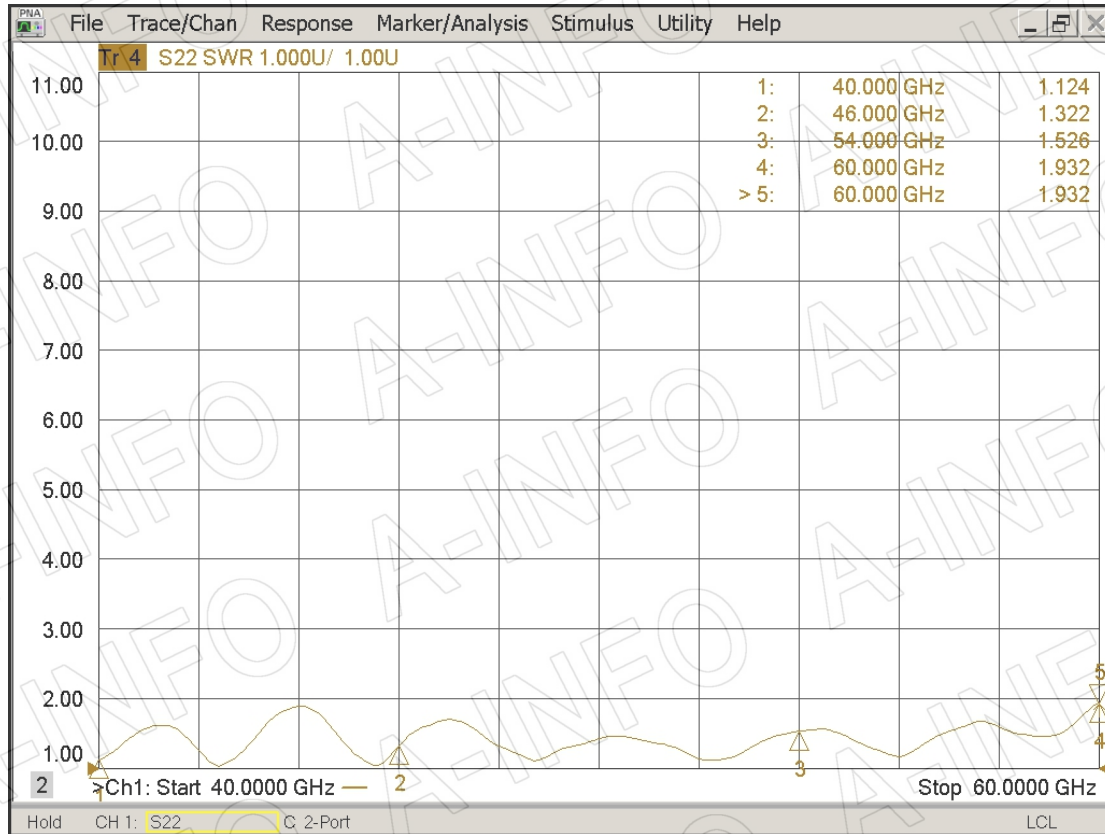


Port-V

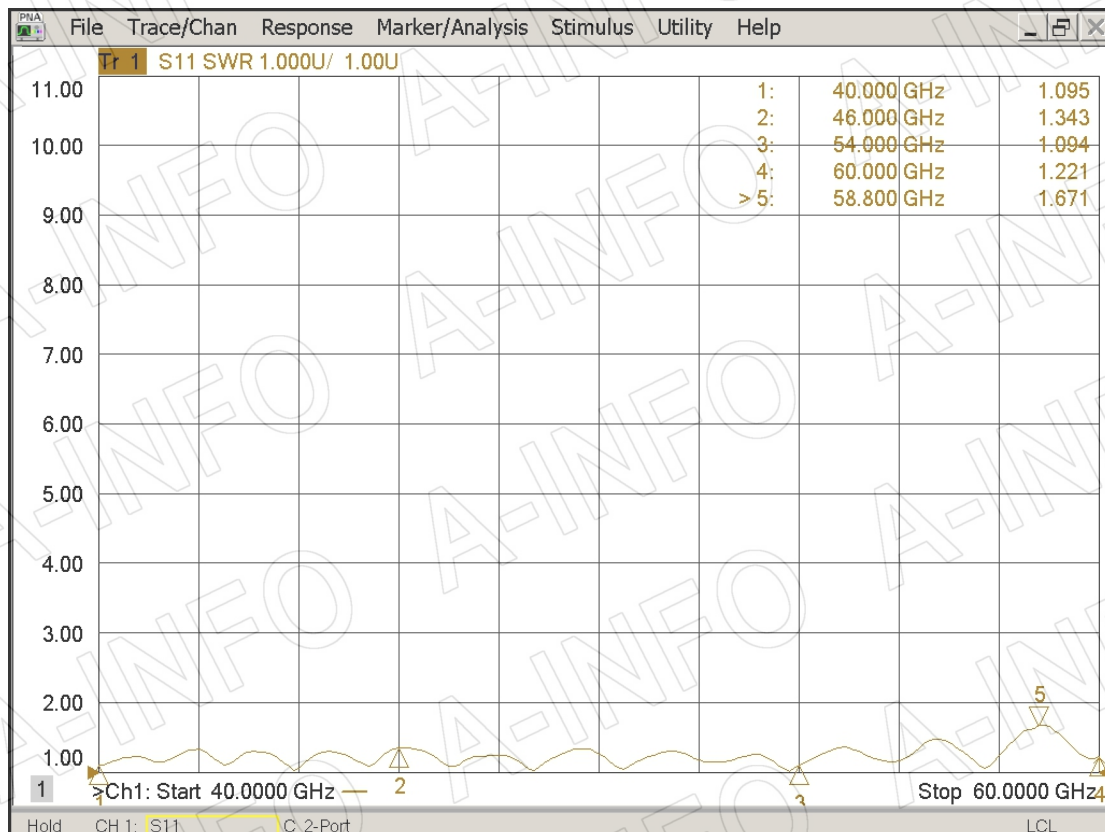


VSWR_C Type

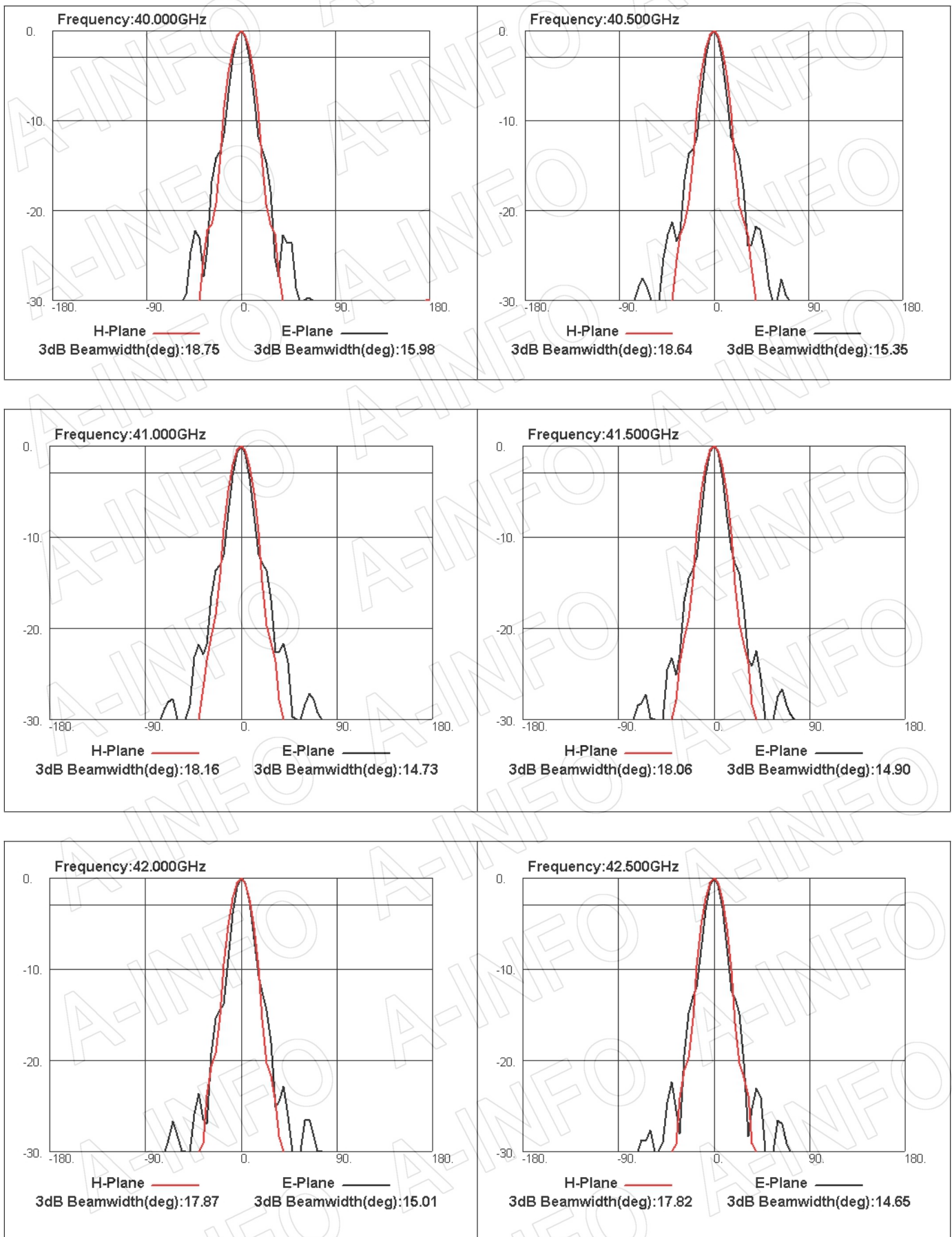
Port-H



Port-V



5. Pattern



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