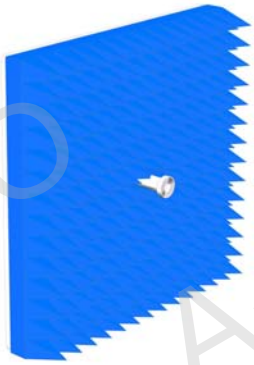
Technical Specification

LB-ACH-28-10-C-KF

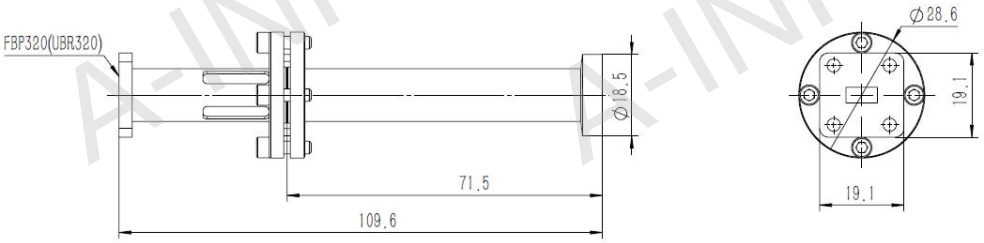
LB-ACH-28-10-C-KF-A1

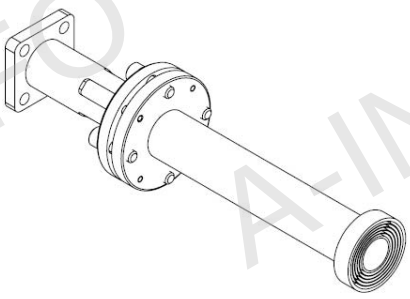


Frequency Range(GHz)	26.5 - 40.0	
Waveguide	WR28	
Gain(dBi)	10 Typ.	
Polarization	Linear	
3dB Beamwidth(deg)	E Plane:	58 Typ.
	H Plane:	60 Typ.
10dB Beamwidth(deg)	E Plane:	106 Typ.
	H Plane:	110 Typ.
Cross Pol. Isolation(dB)	45 Typ.	
VSWR	A Type:	1.4:1 Typ.
	C Type:	1.8:1 Typ.
Output	A Type:	FBP320(UBR320)
	C Type:	2.92mm(K)-Female or 2.4mm-Female
Material	Cu	
Size(mm)	A Type:	28.6 x 28.6 x 109.6
	C Type:	28.6 x 30.5 x 133.6
	A-A1:	259 x 259 x 109.6
	C-KF-A1:	259 x 259 x 133.6
Net Weight(Kg)	A Type:	0.08 Around
	C Type:	0.14 Around
	A-A1:	1.19 Around
	C-KF-A1:	1.25 Around

Outline Drawing (Size: mm)

A Type (With FBP320 Output)





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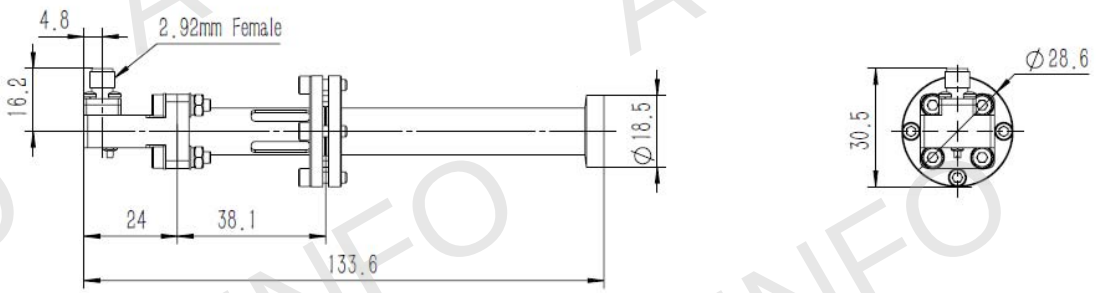
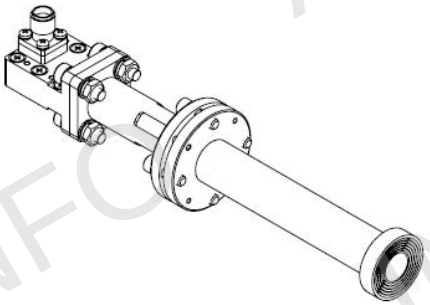
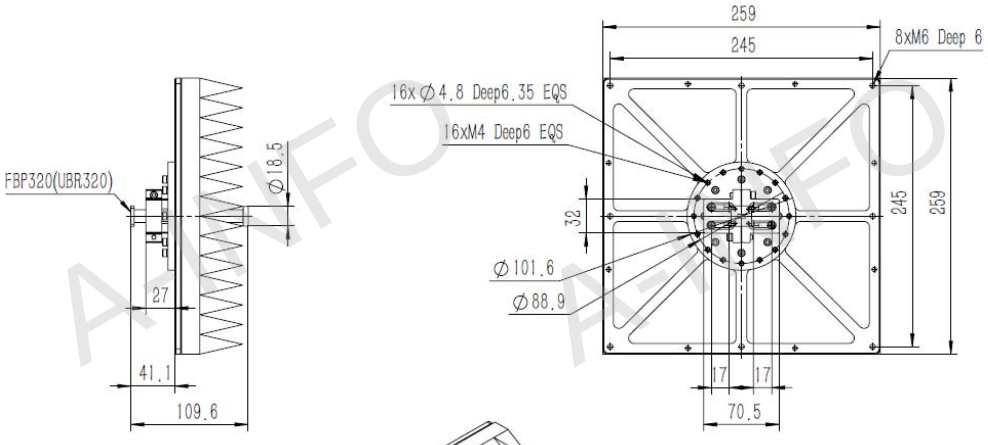
C Type (With 2.92mm-Female Output)

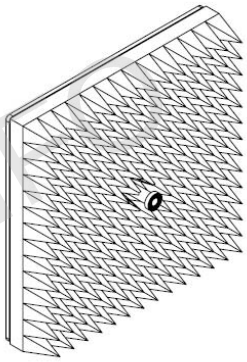
For 2.4mm-Female output outline drawing, please contact A-INFO.





A-A1 Type (With FBP320 Output, Equipped with Absorber)





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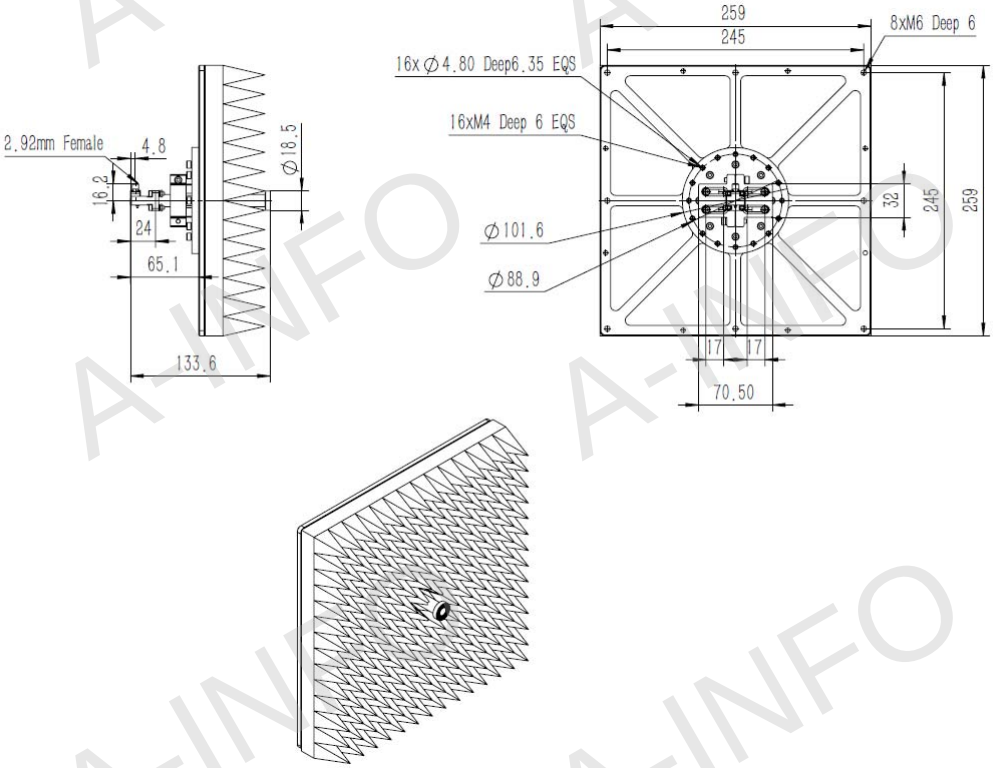
C-KF-A1 Type (With 2.92mm-Female Output, Equipped with Absorber)

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



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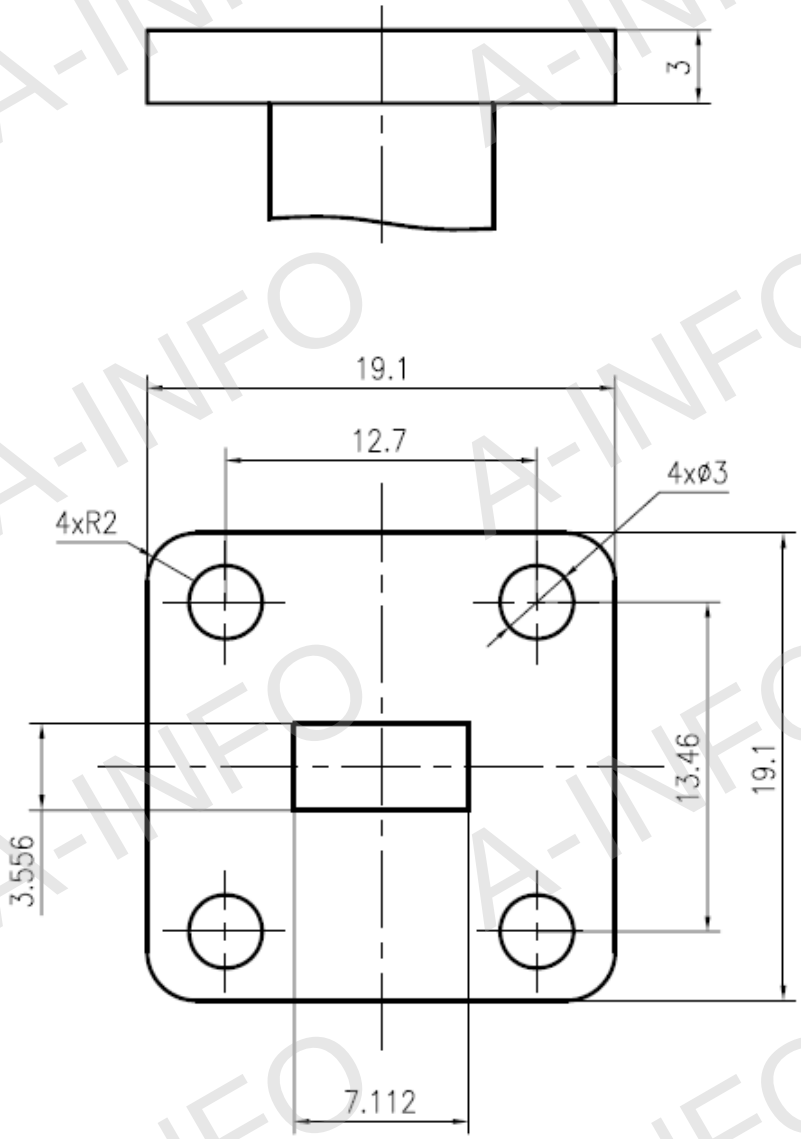
Flange Drawing (Size: mm)



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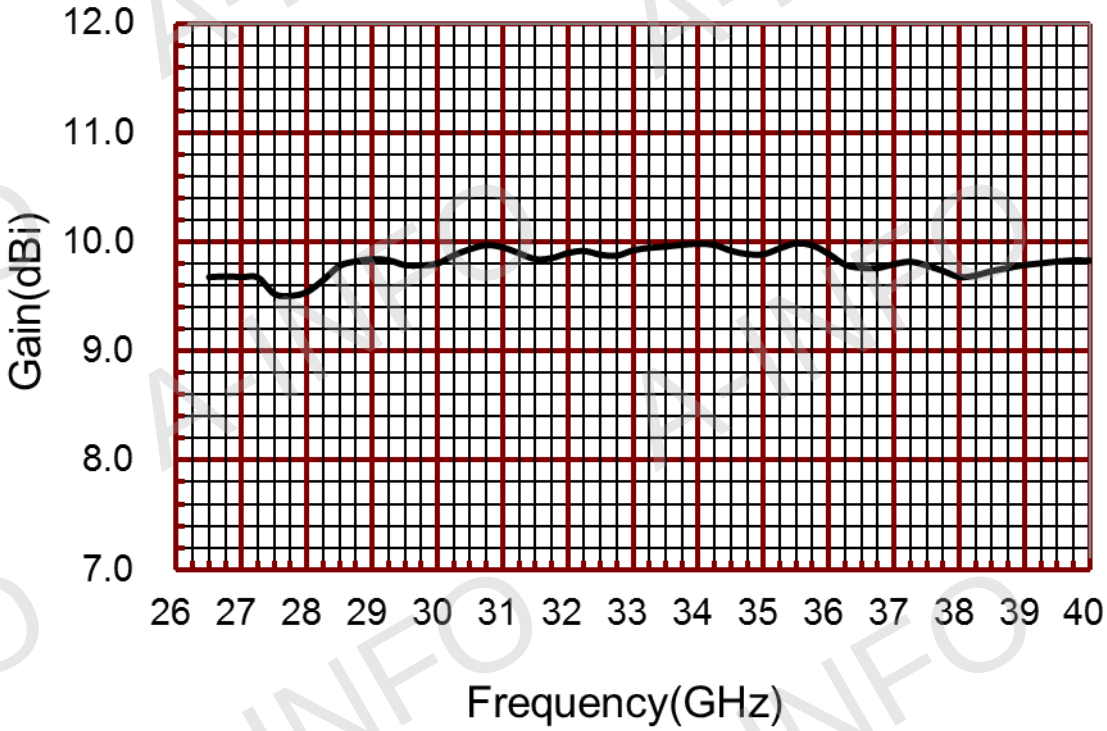
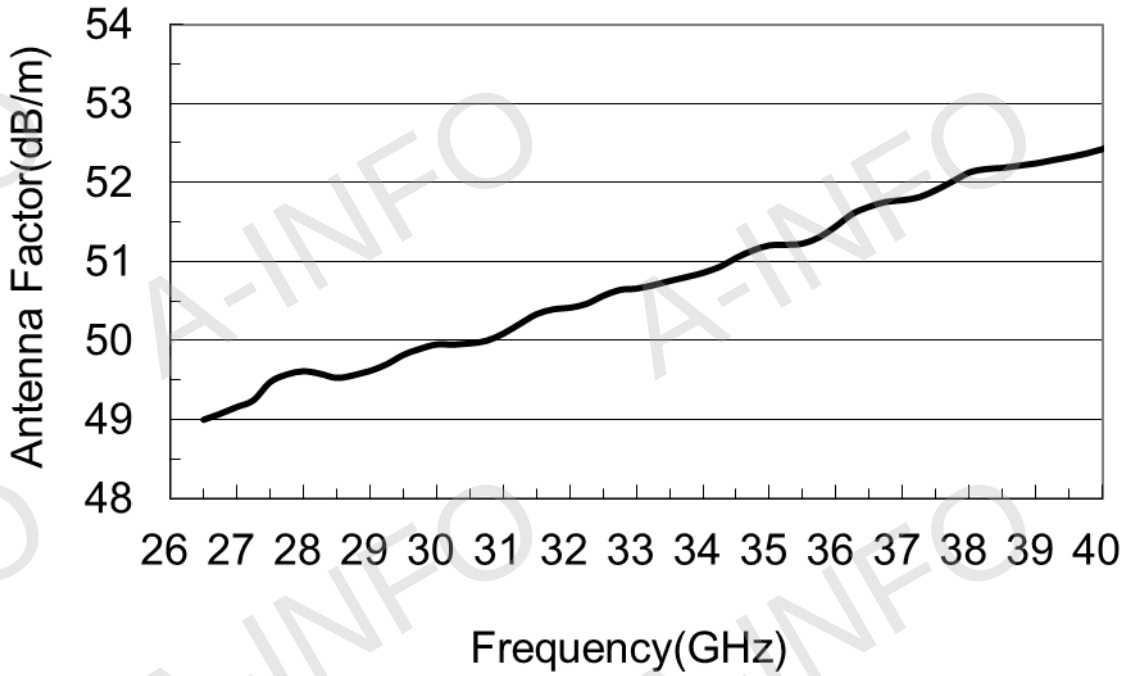
Test Results

1. Gain & Antenna Factor





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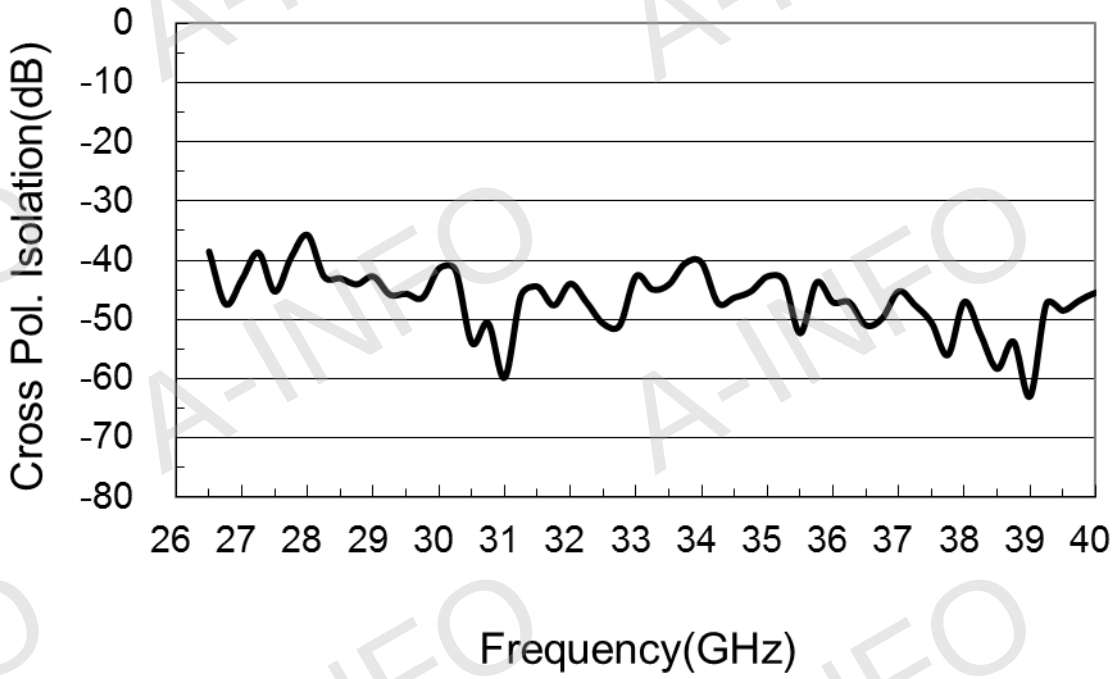
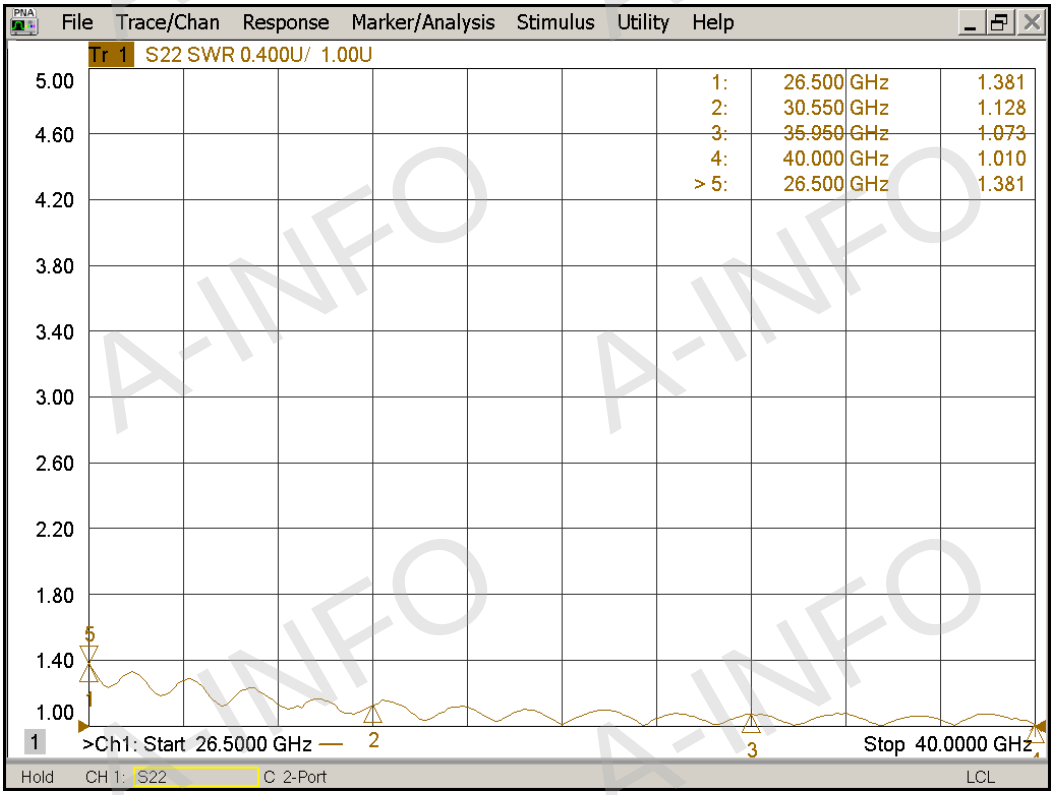
2. Cross Polarization Isolation



3. VSWR_A Type



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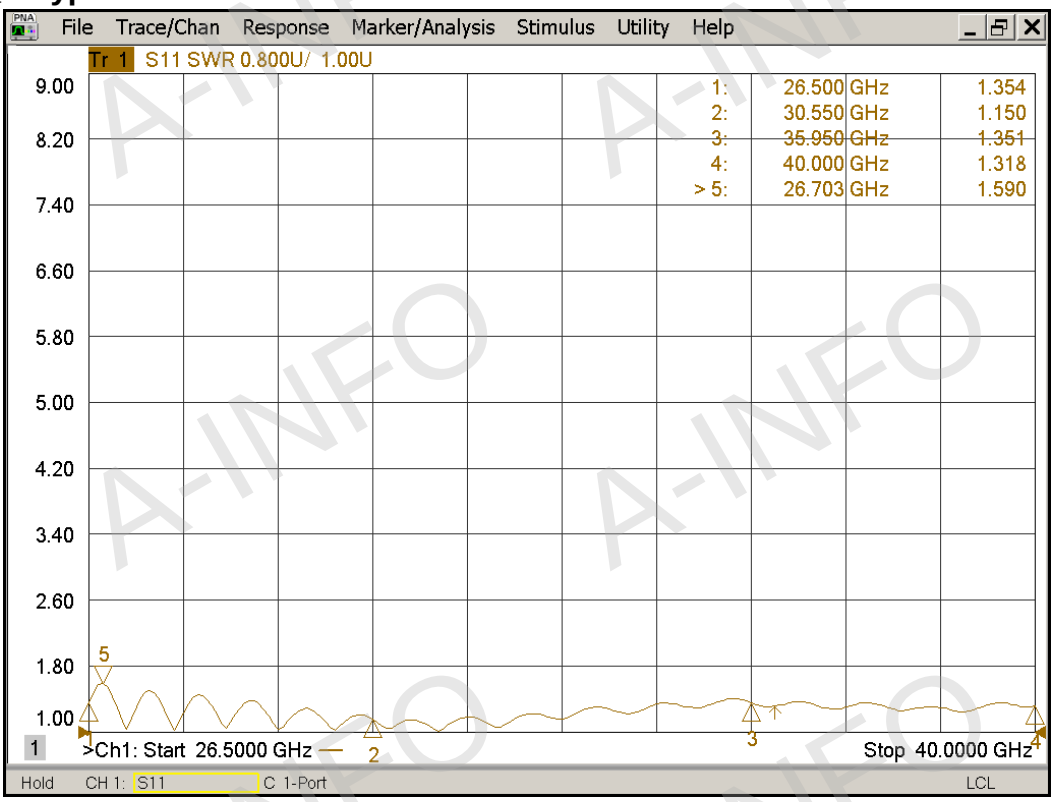
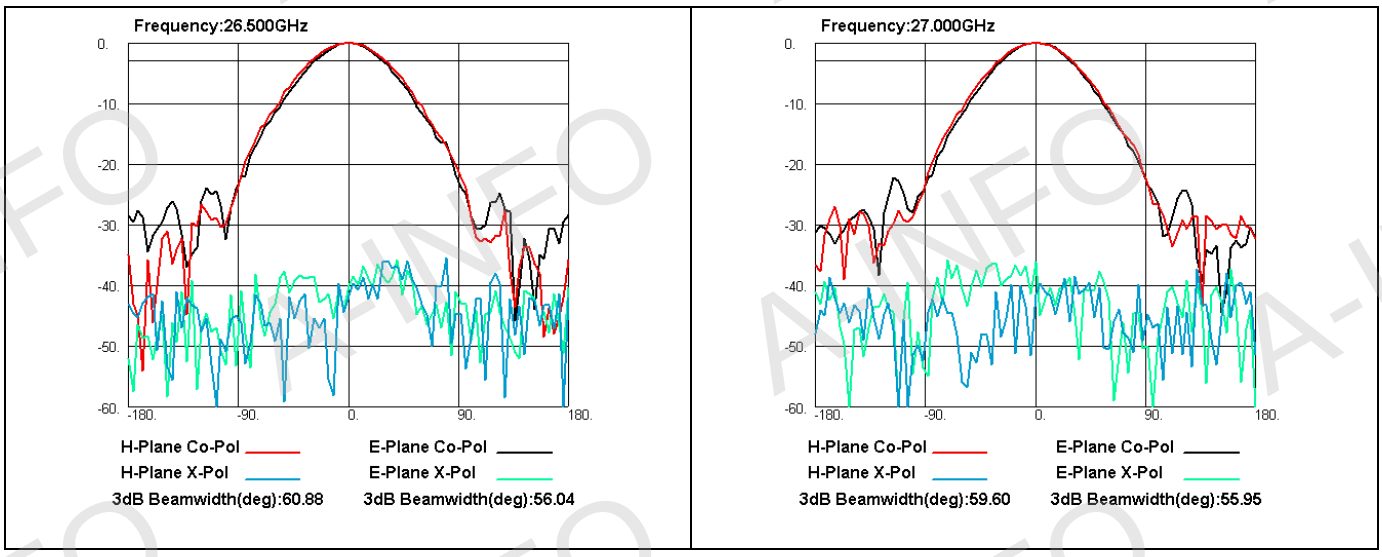
VSWR_C Type



4. Pattern



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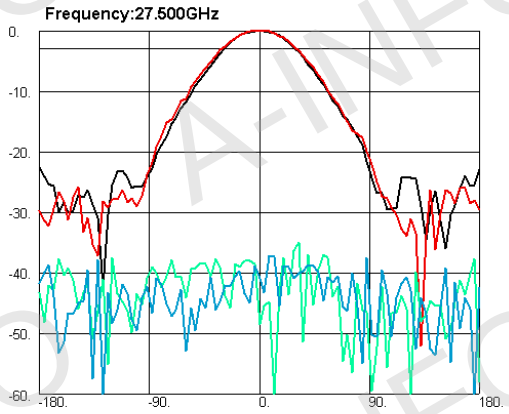
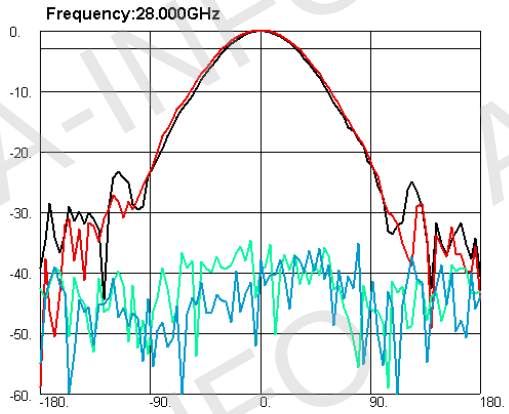
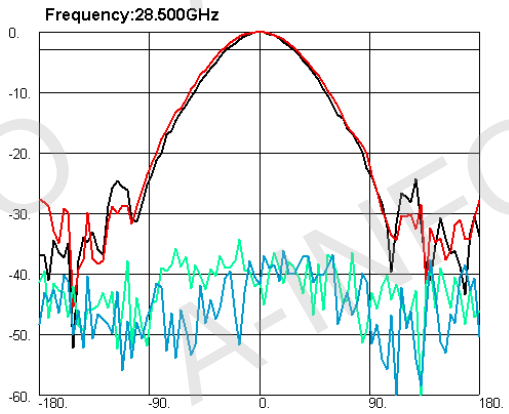


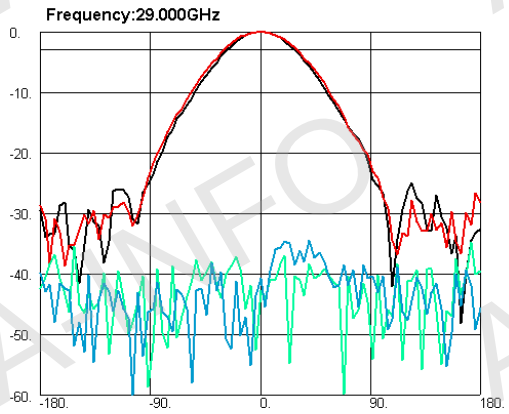
H-Plane Co-Pol
E-Plane Co-Pol
H-Plane X-Pol
E-Plane X-Pol
3dB Beamwidth(deg):61.18
3dB Beamwidth(deg):58.20



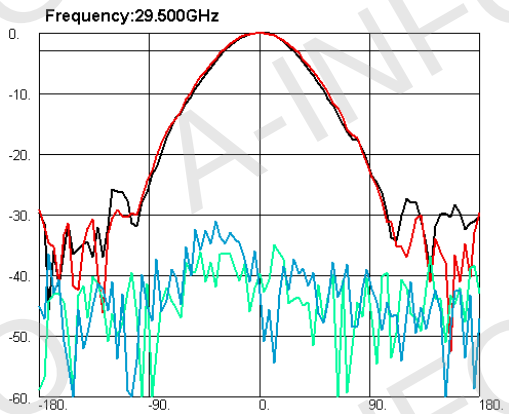
H-Plane Co-Pol
E-Plane Co-Pol
H-Plane X-Pol
E-Plane X-Pol
3dB Beamwidth(deg):62.22
3dB Beamwidth(deg):57.13



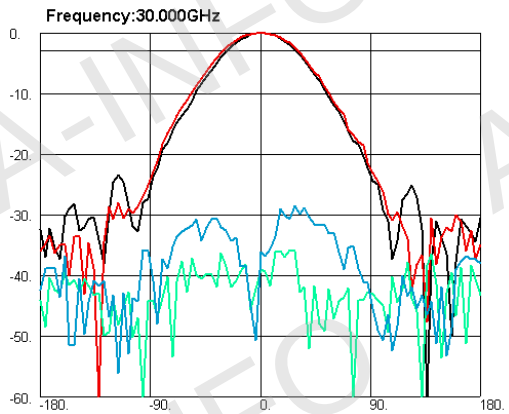
H-Plane Co-Pol
E-Plane Co-Pol
H-Plane X-Pol
E-Plane X-Pol
3dB Beamwidth(deg):59.93
3dB Beamwidth(deg):55.66



H-Plane Co-Pol
E-Plane Co-Pol
H-Plane X-Pol
E-Plane X-Pol
3dB Beamwidth(deg):59.85
3dB Beamwidth(deg):55.69



H-Plane Co-Pol
E-Plane Co-Pol
H-Plane X-Pol
E-Plane X-Pol
3dB Beamwidth(deg):60.69
3dB Beamwidth(deg):56.77



H-Plane Co-Pol
E-Plane Co-Pol
H-Plane X-Pol
E-Plane X-Pol
3dB Beamwidth(deg):60.94
3dB Beamwidth(deg):56.57

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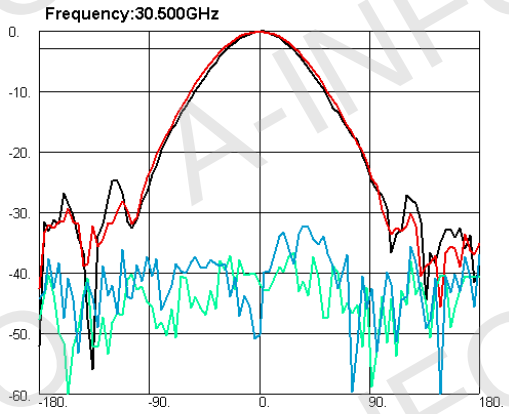
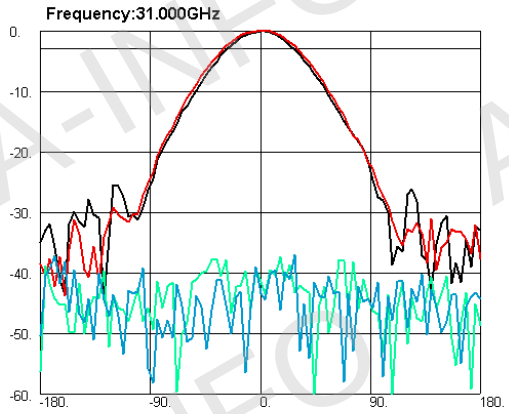
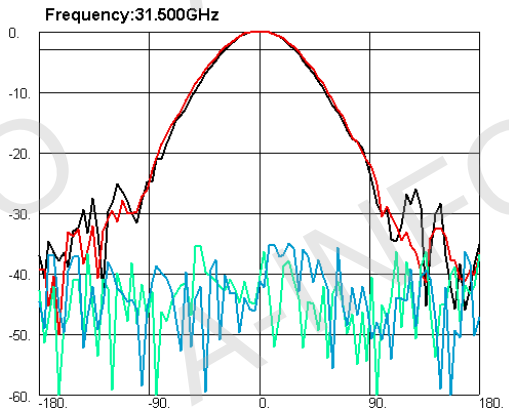


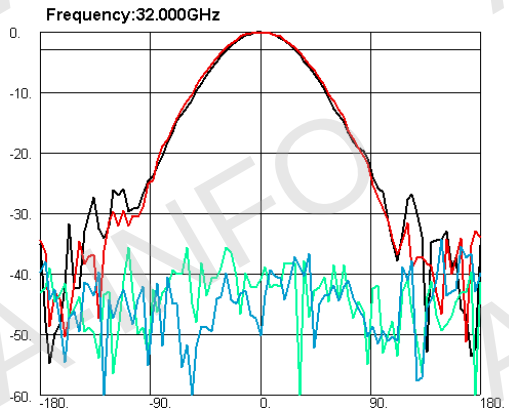
H-Plane Co-Pol
E-Plane Co-Pol
H-Plane X-Pol
E-Plane X-Pol
3dB Beamwidth(deg):59.04
3dB Beamwidth(deg):53.98



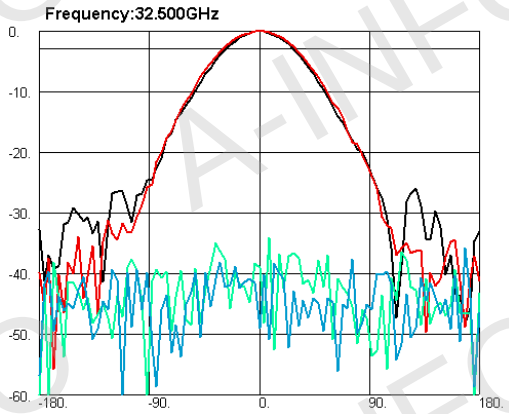
H-Plane Co-Pol
E-Plane Co-Pol
H-Plane X-Pol
E-Plane X-Pol
3dB Beamwidth(deg):60.28
3dB Beamwidth(deg):54.86



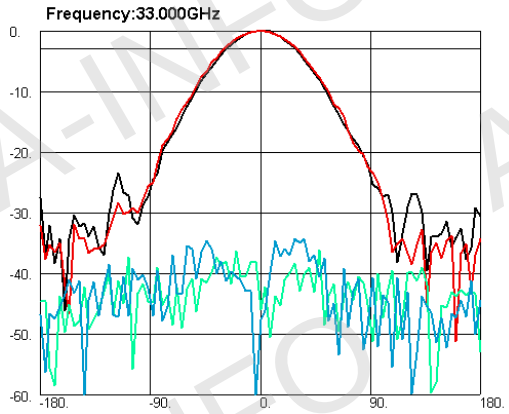
H-Plane Co-Pol
E-Plane Co-Pol
H-Plane X-Pol
E-Plane X-Pol
3dB Beamwidth(deg):60.96
3dB Beamwidth(deg):57.30



H-Plane Co-Pol
E-Plane Co-Pol
H-Plane X-Pol
E-Plane X-Pol
3dB Beamwidth(deg):59.51
3dB Beamwidth(deg):55.58



H-Plane Co-Pol
E-Plane Co-Pol
H-Plane X-Pol
E-Plane X-Pol
3dB Beamwidth(deg):59.55
3dB Beamwidth(deg):54.90



H-Plane Co-Pol
E-Plane Co-Pol
H-Plane X-Pol
E-Plane X-Pol
3dB Beamwidth(deg):59.37
3dB Beamwidth(deg):56.73

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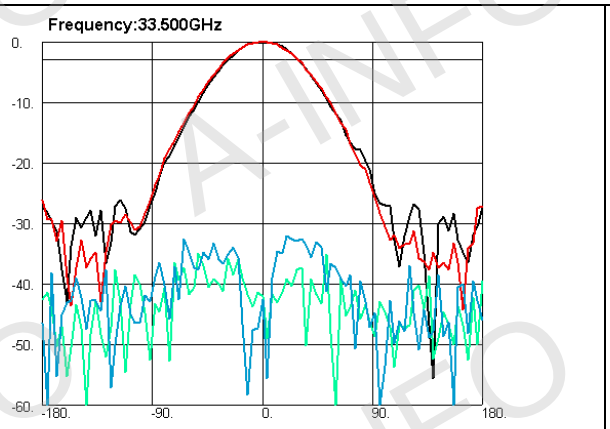

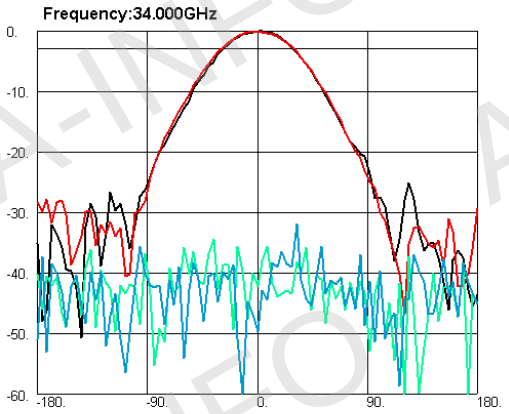

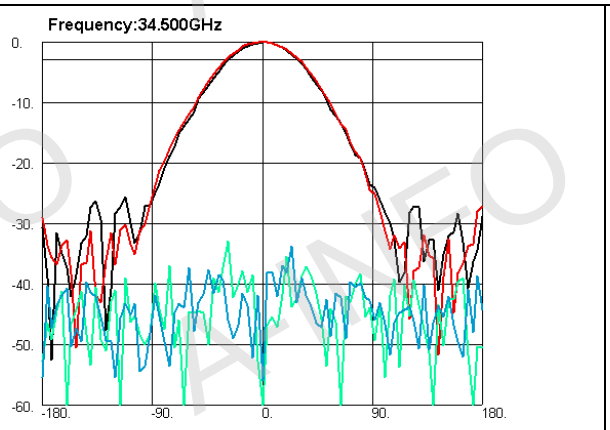

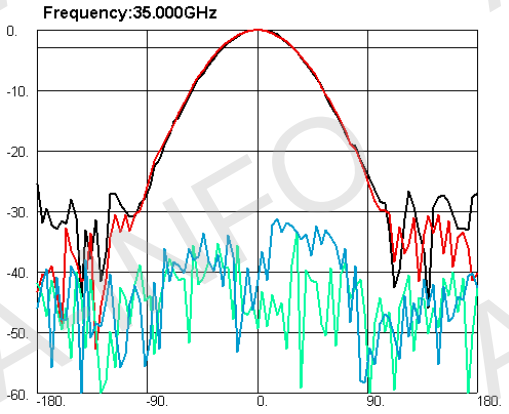

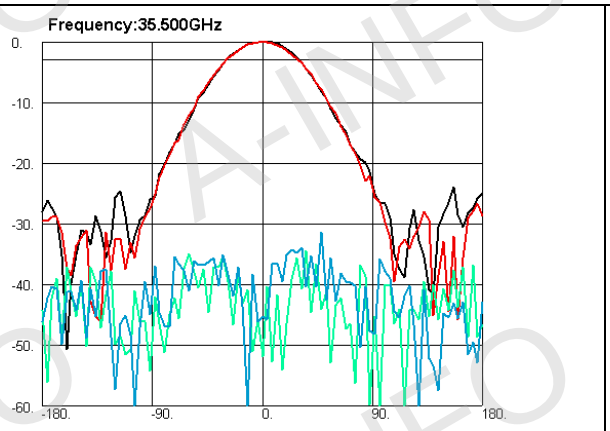

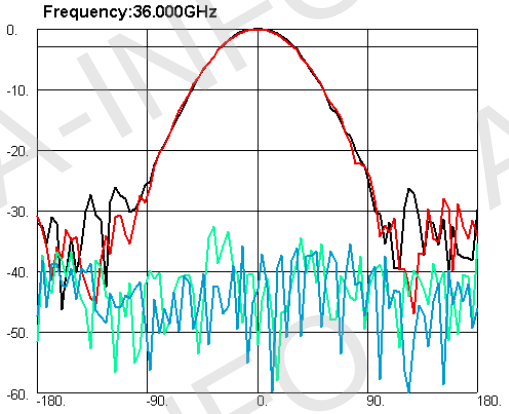

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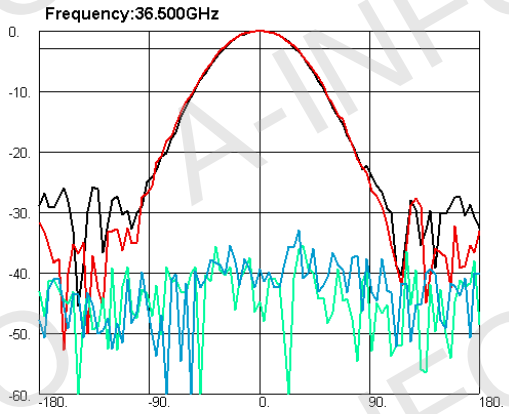

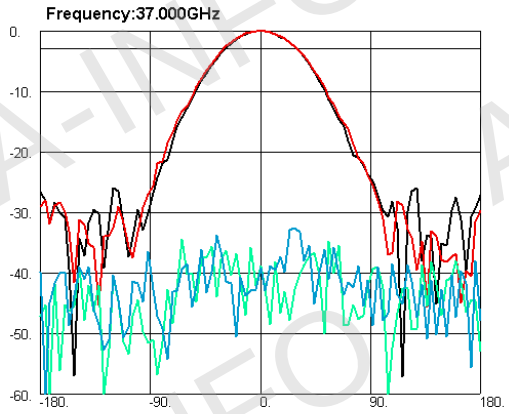

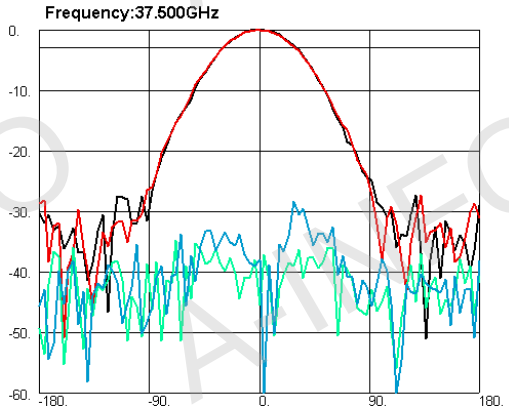

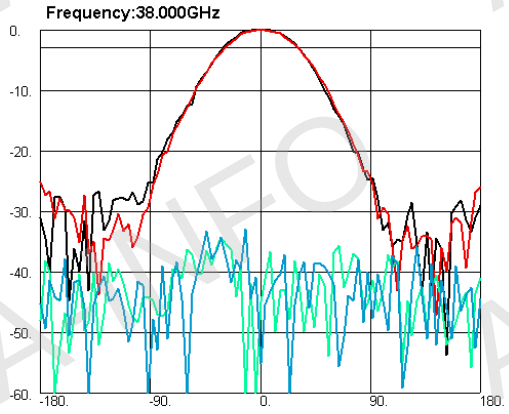

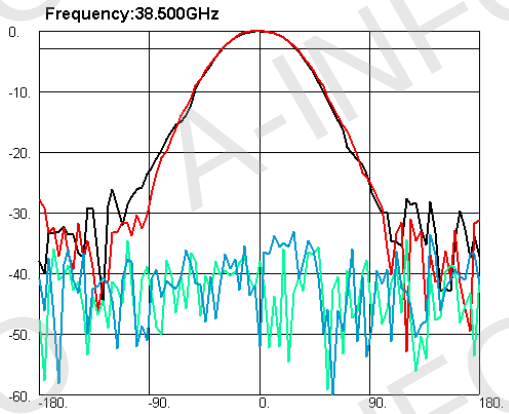

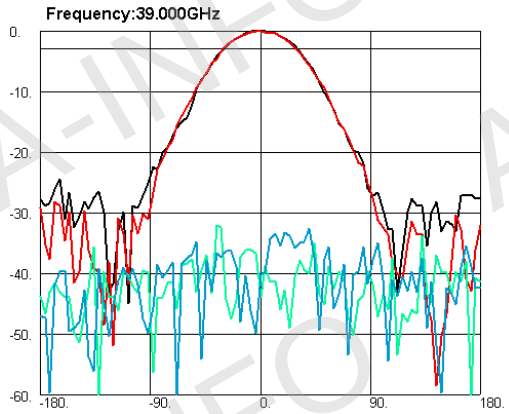

China(Beijing): Tel: (+86) 10-6266-7326, (+86) 10-6266-7327 Fax: (+86) 10-6266-7379
China(Chengdu): Tel: (+86) 28-8519-2786, (+86) 28-8519-3044 Fax: (+86) 28-8519-3068 Website: www.ainfoinc.com
USA : Tel: (+1) 949-639-9688, (+1) 949-639-9608 Fax: (+1) 949-639-9670 Email: sales@ainfoinc.com

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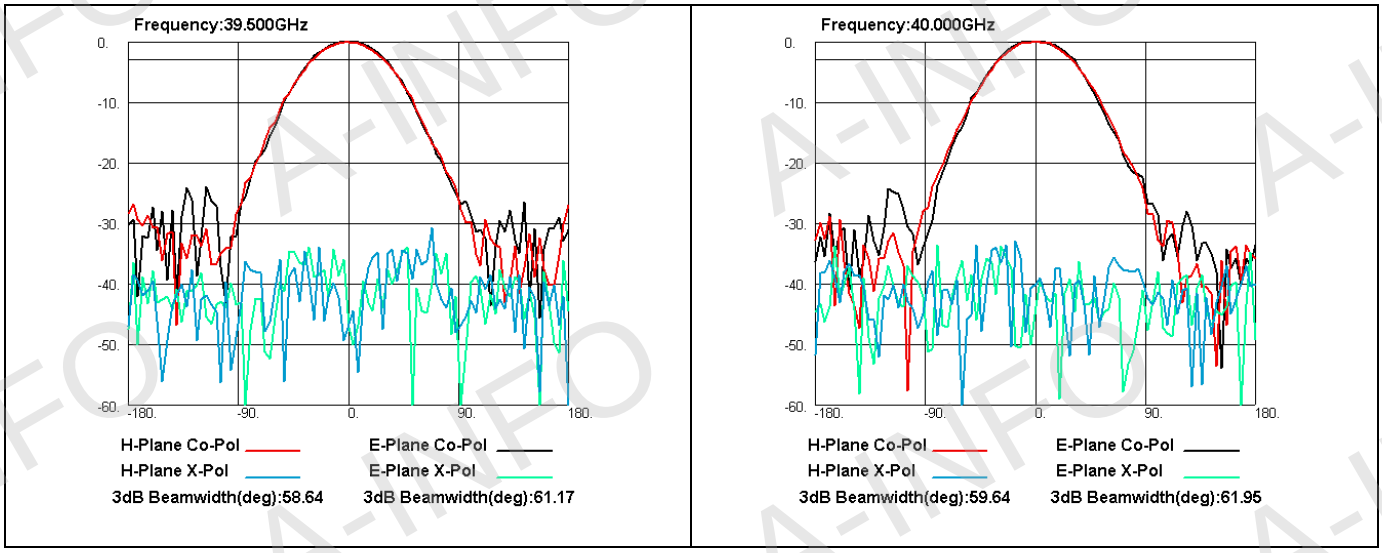

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