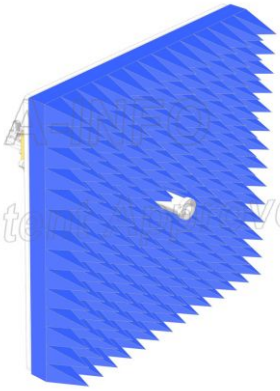
Technical Specification

LB-ACH-28-10-T68-C-2.4F

LB-ACH-28-10-T68-C-2.4F-A1



Frequency Range(GHz)		24.0 - 50.0
Waveguide		WR28
Gain(dBi)		10 Typ.
Polarization		Dual Linear
3dB Beamwidth(deg)	E Plane:	57 Typ.
	H Plane:	58 Typ.
10dB Beamwidth(deg)	E Plane:	100 Typ.
	H Plane:	105 Typ.
Cross Pol. Isolation(dB)		35 Typ.
Port to Port Isolation(dB)		45 Typ., 30 Min.
VSWR	A Type:	1.8:1 Typ.
	C Type:	2.2:1 Typ.
Output	A Type:	FBP320(UBR320)
	C Type:	2.4mm-Female
Material		Cu
Size(mm)	A Type:	28.6 x 38.1 x 142.24
	C Type:	52.2 x 38.1 x 165.86
	A-A1:	259 x 259 x 180.3
	C-2.4F-A1:	259 x 259 x 204
Net Weight(Kg)	A Type:	0.25 Around
	C Type:	0.35 Around
	A-A1:	2.55 Around
	C-2.4F-A1:	2.65 Around

PATENT ID (US)	**US 11031692, US 10871511**
PATENT ID (China)	**ZL202020594309.9, ZL202020594305.0 ZL202030231777.5, ZL202030233920.4**

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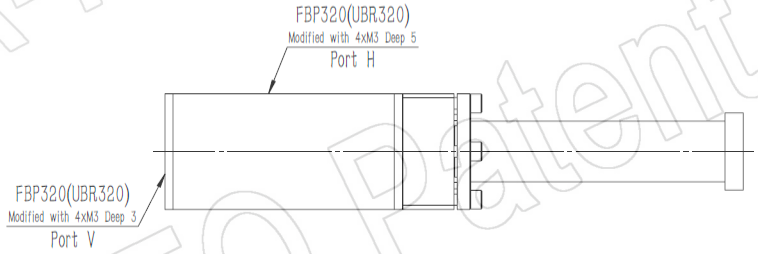
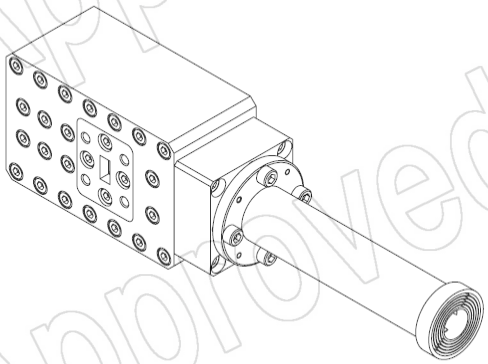
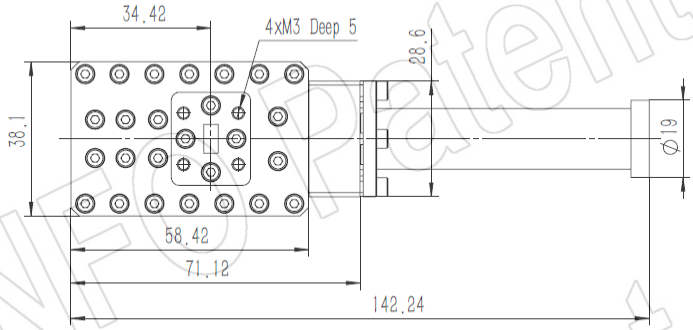
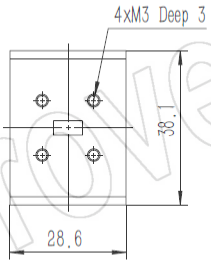
Outline Drawing (Size: mm)

FBP320 Output (P/N: LB-ACH-28-10-T68-A)

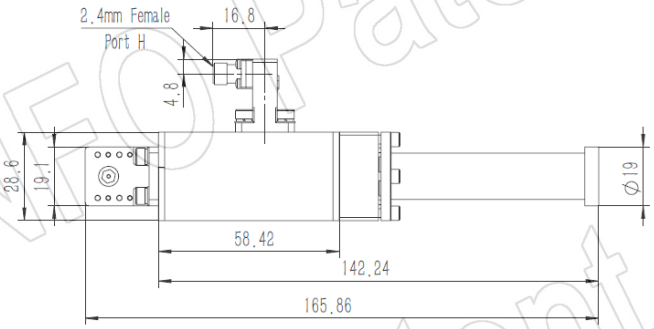


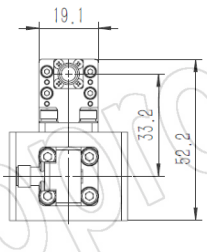


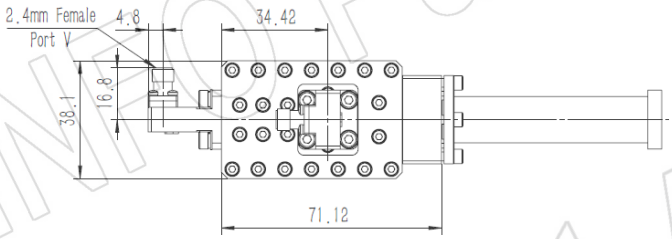


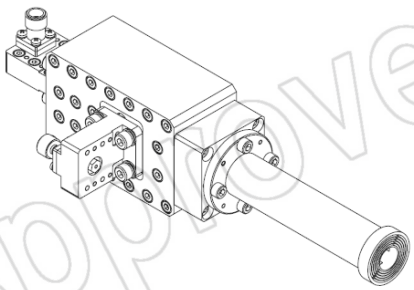


2.4mm-Female Output (P/N: LB-ACH-28-10-T68-C-2.4F)









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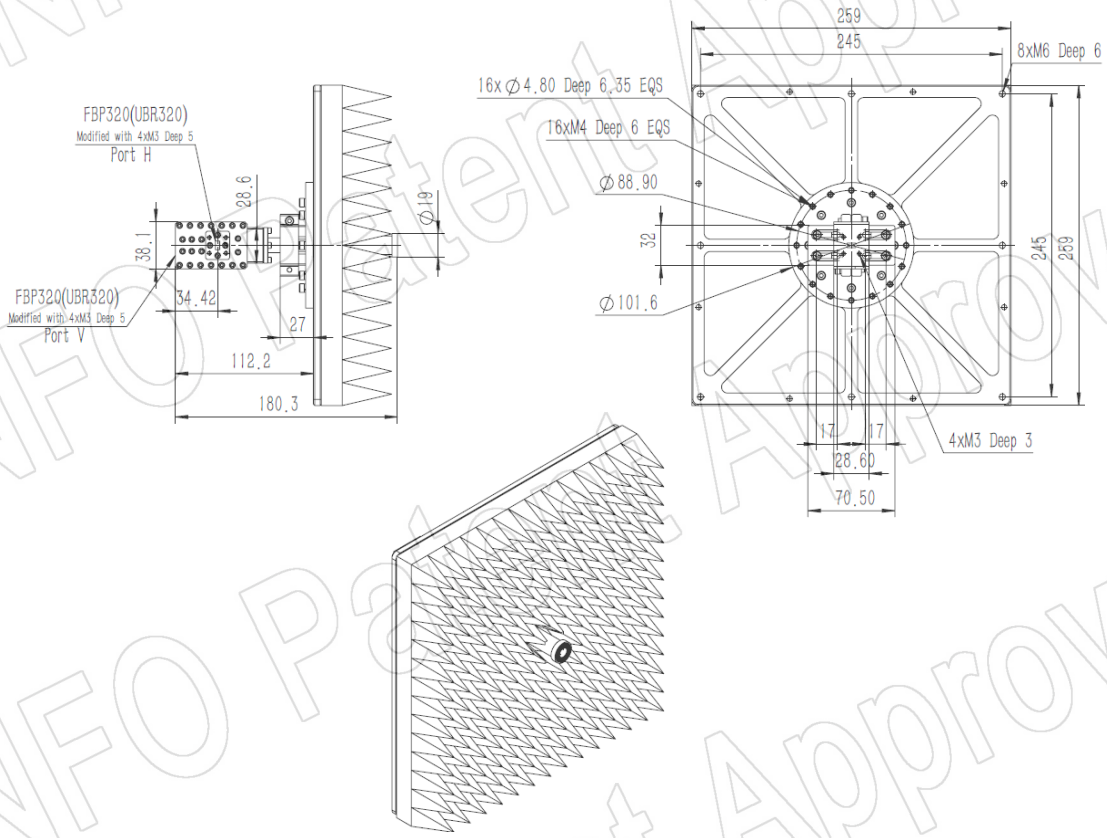
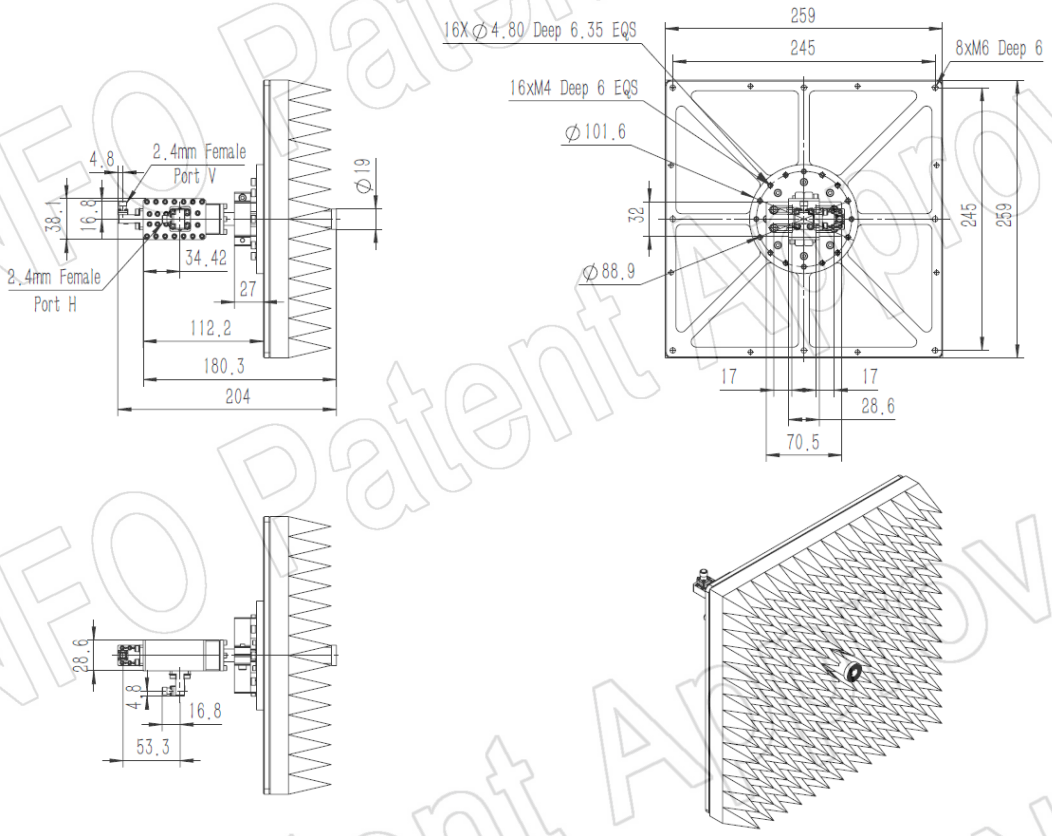
FBP320 Output, Equipped with Absorber (Option, P/N: LB-ACH-28-10-T68-A-A1)



2.92mm-Female Output, Equipped with Absorber (Option, P/N: LB-ACH-28-10-T68-C-2.4F-A1)



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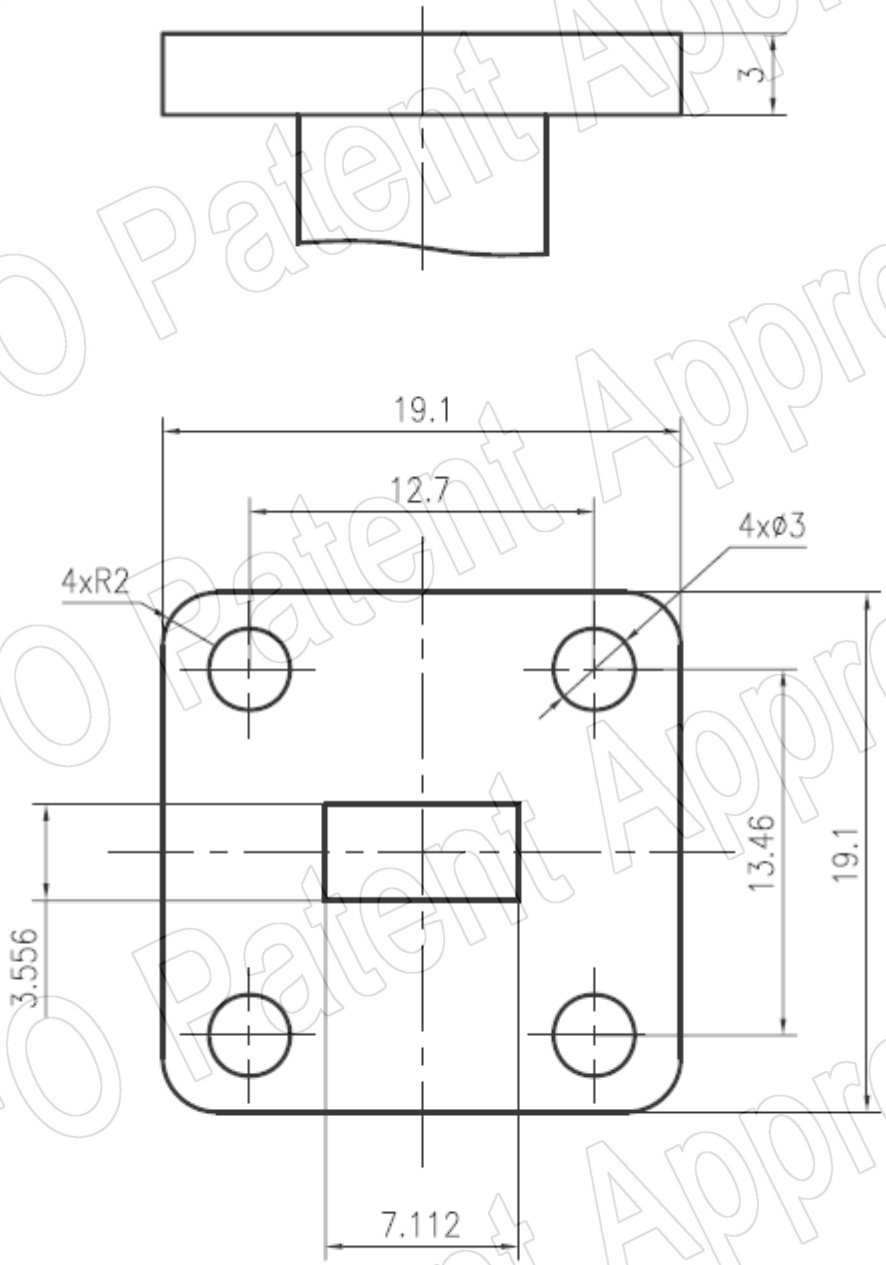
Flange Drawing (Size: mm)



FBP320

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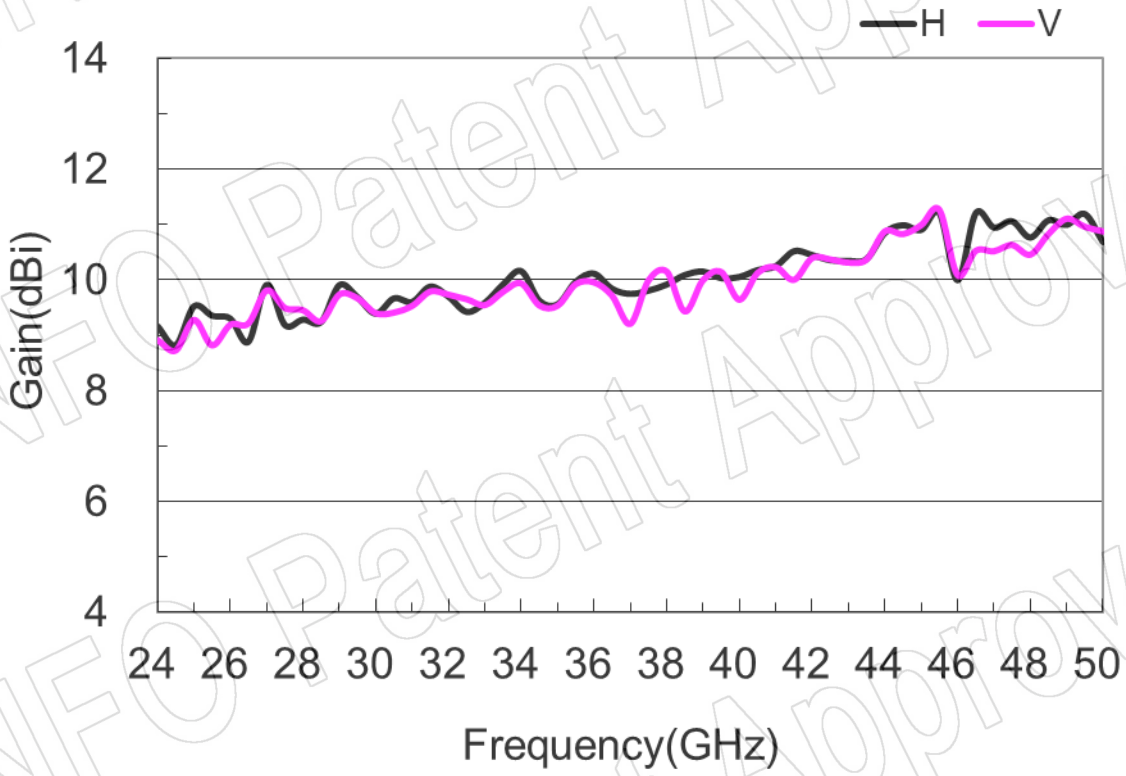
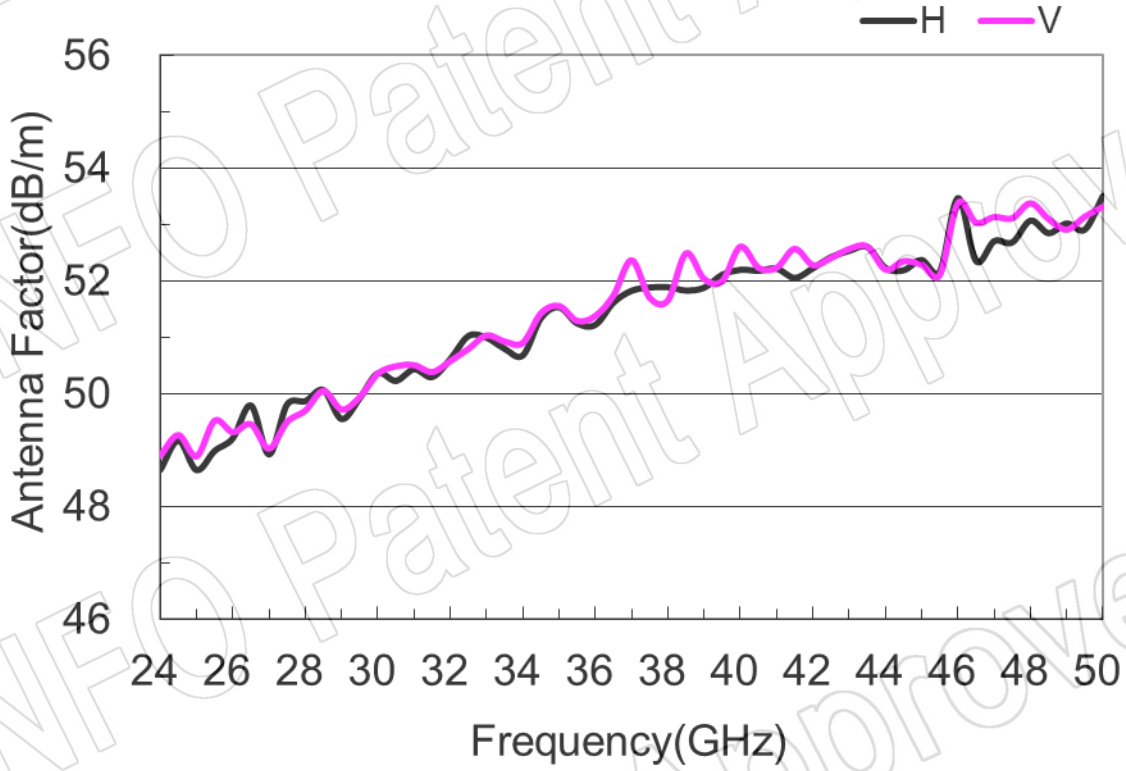
Test Results

1. Gain & Antenna Factor





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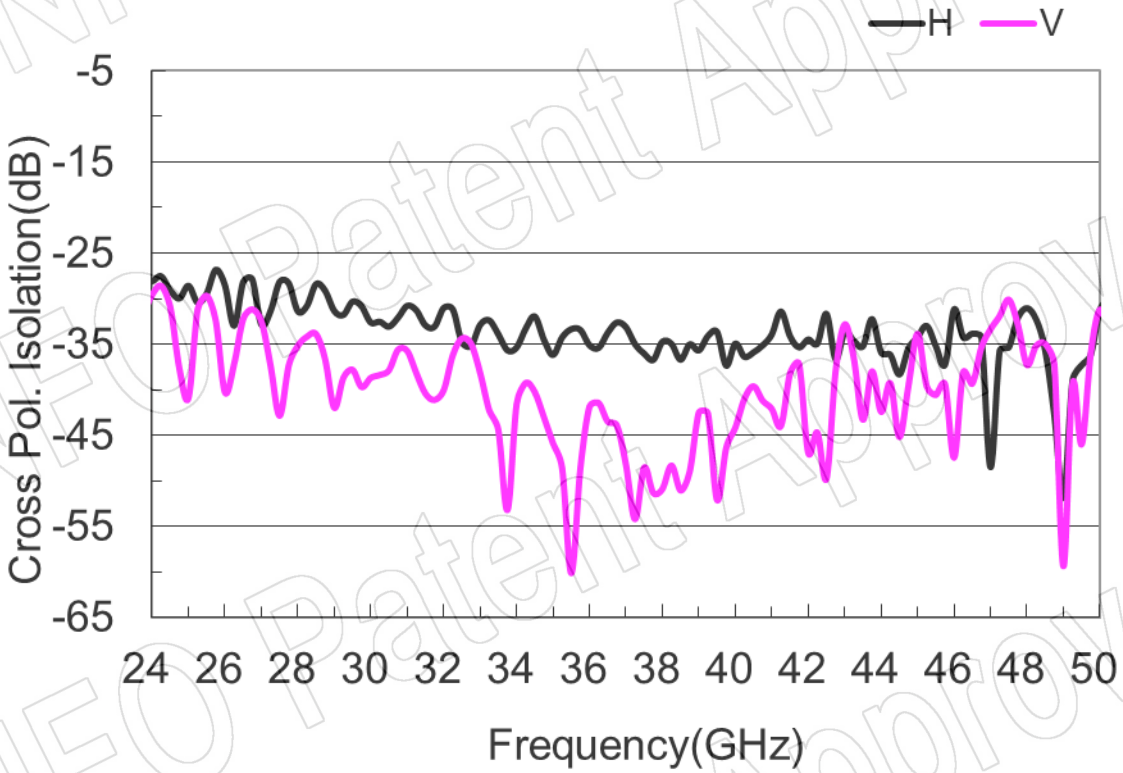
2. Cross Polarization Isolation



3. Port to Port Isolation

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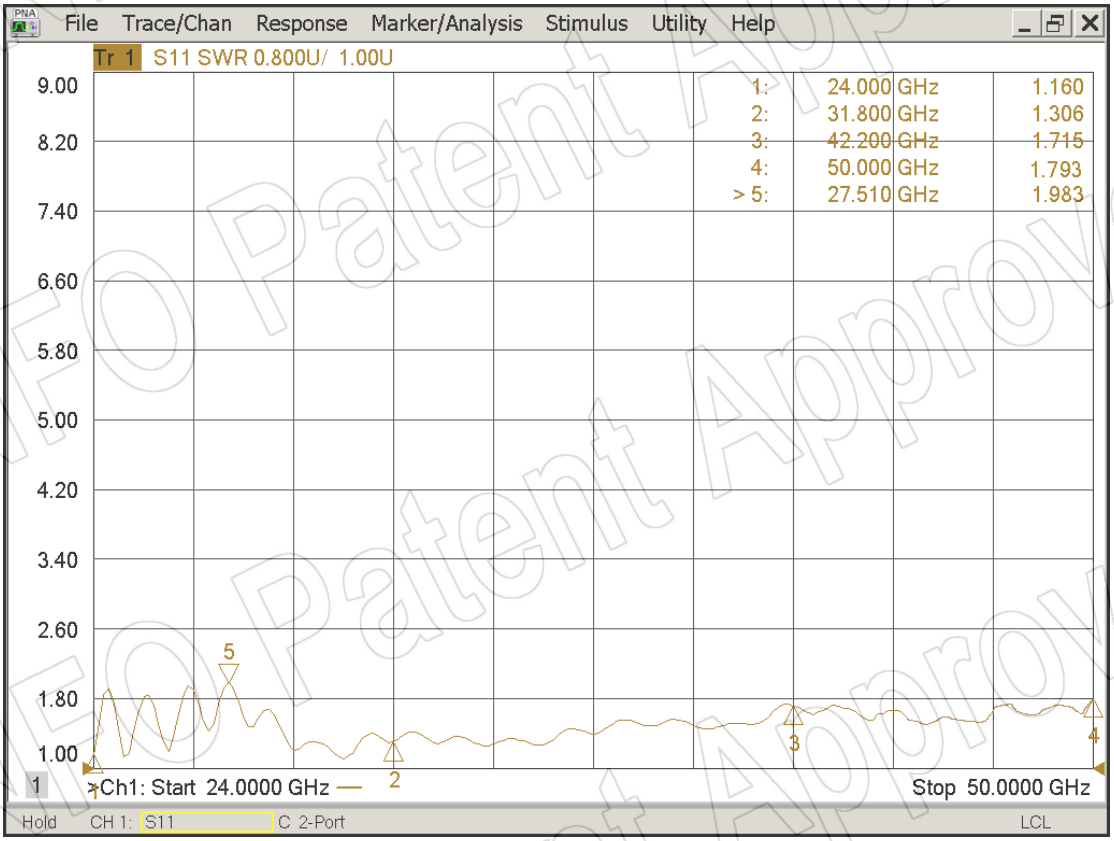
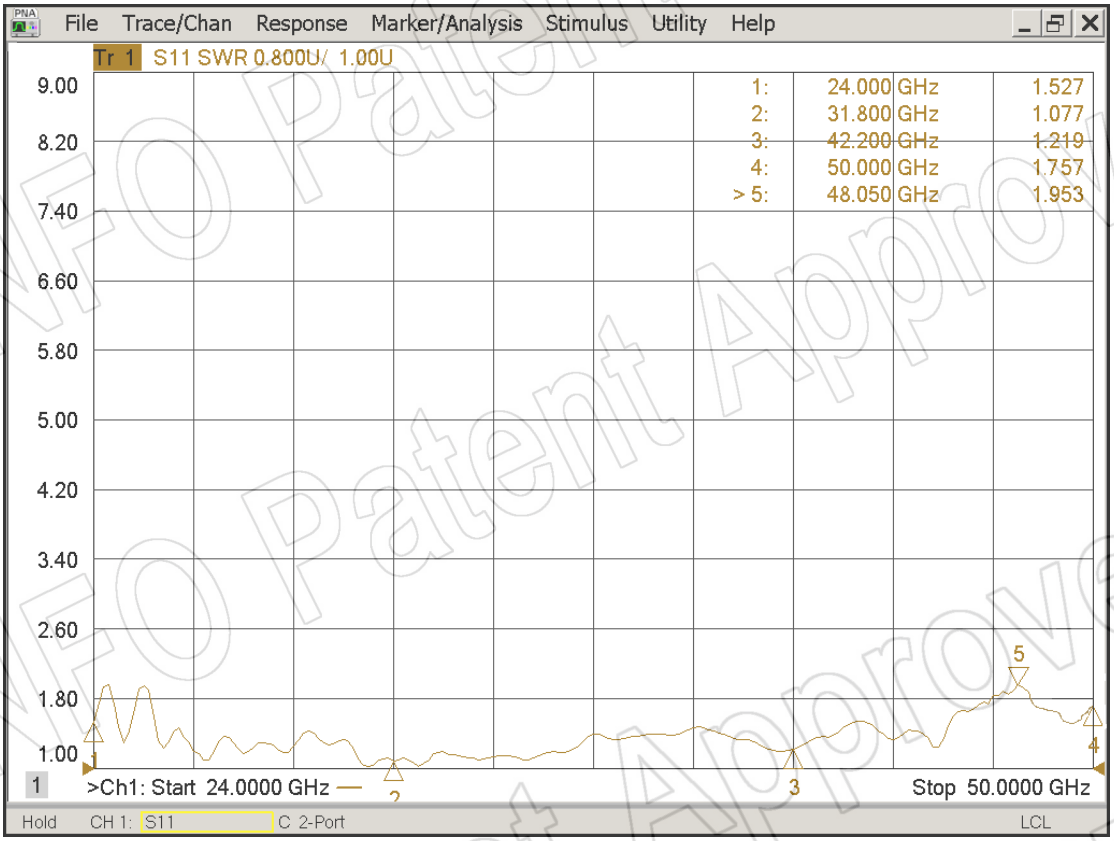
4. VSWR_A Type

Port-H



Port-V



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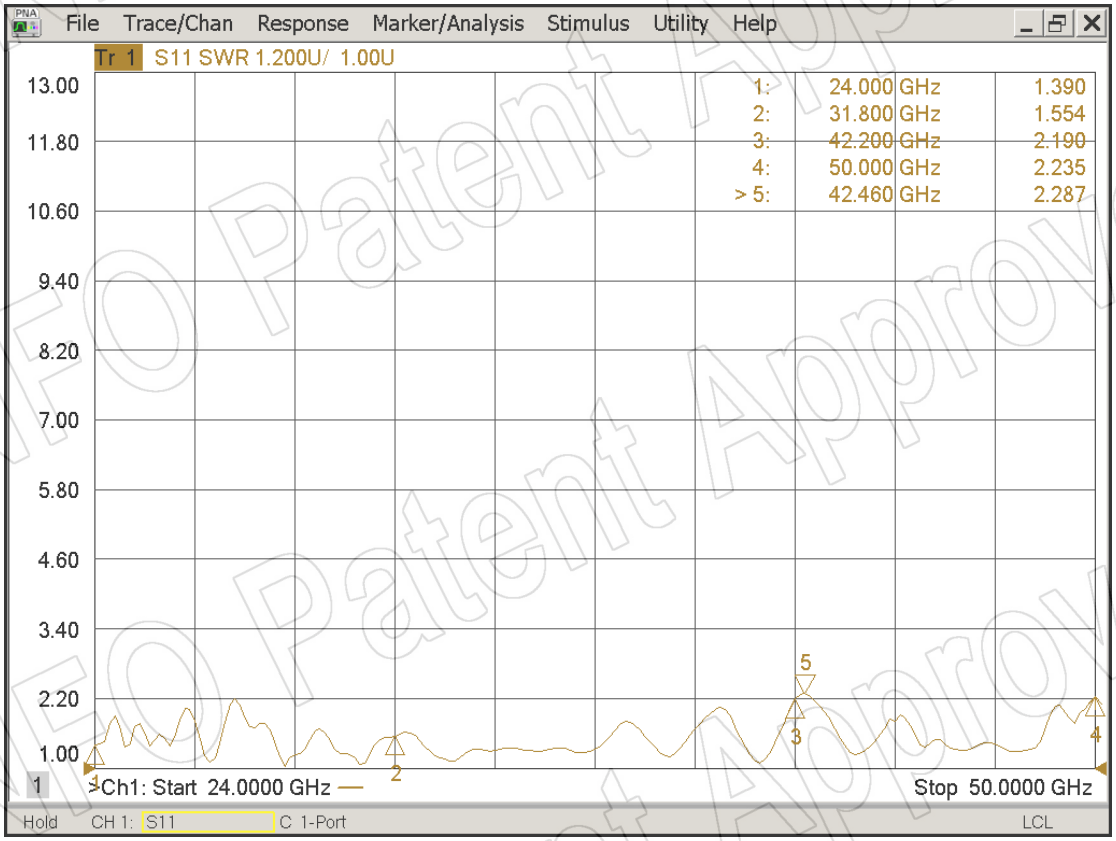
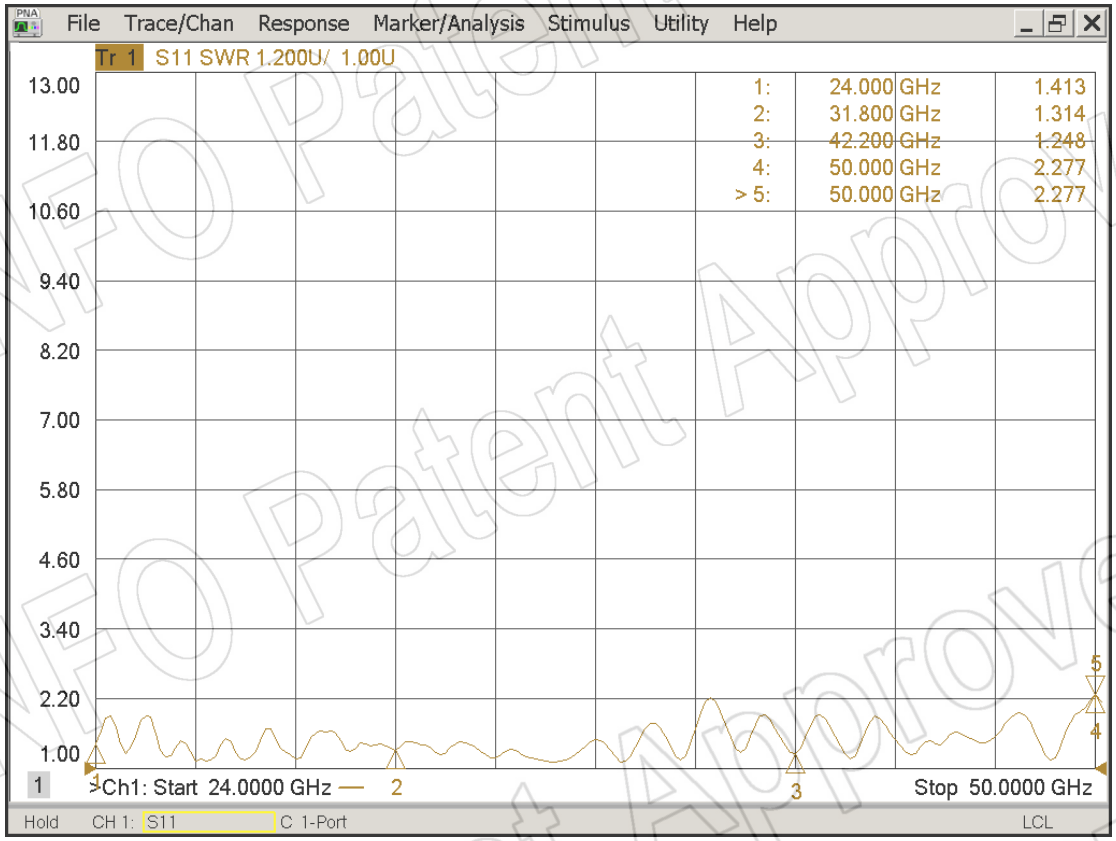
VSWR_C Type

Port-H



Port-V



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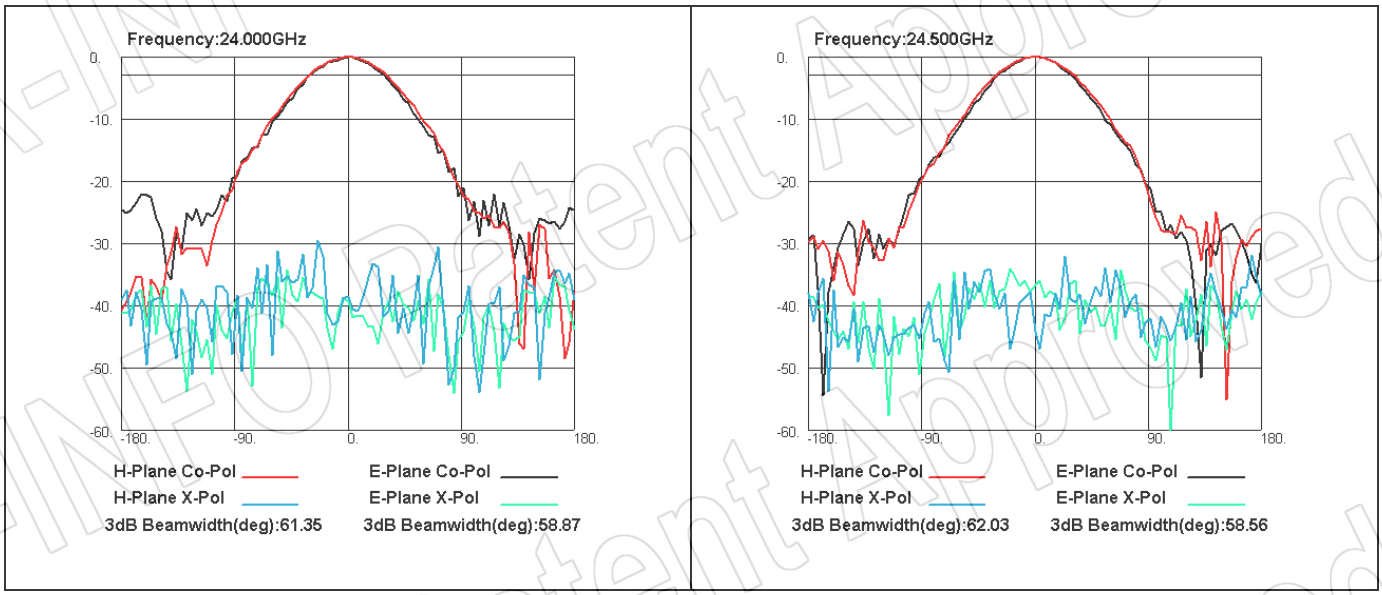
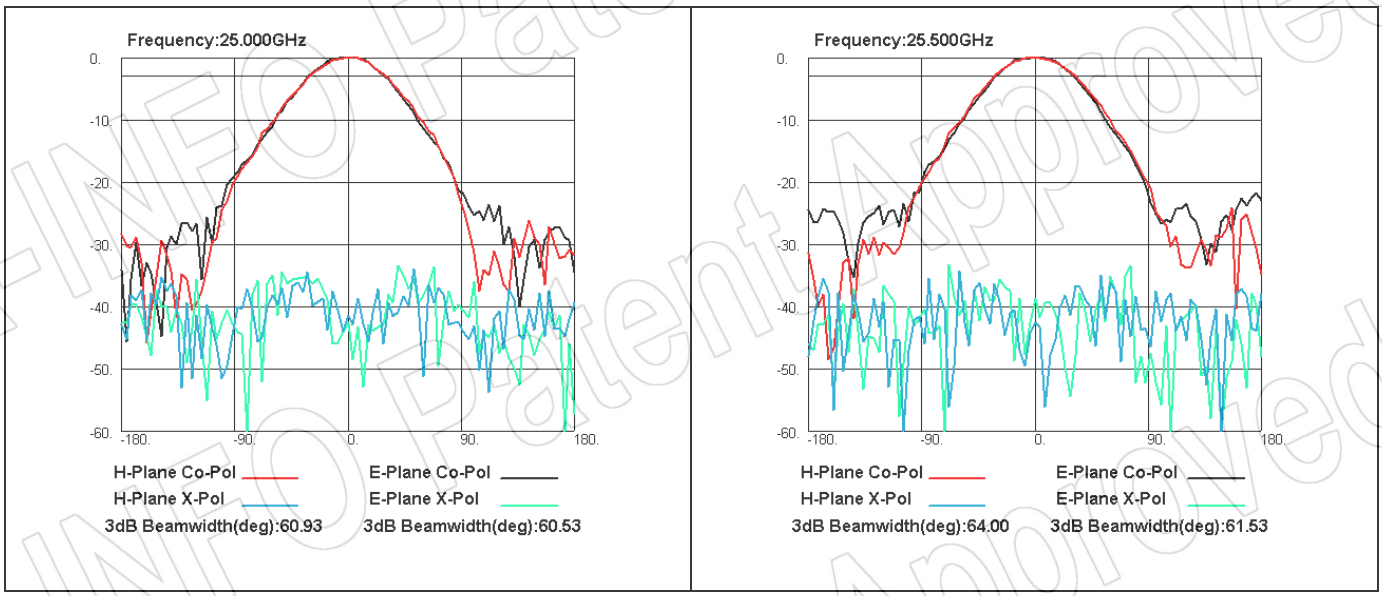
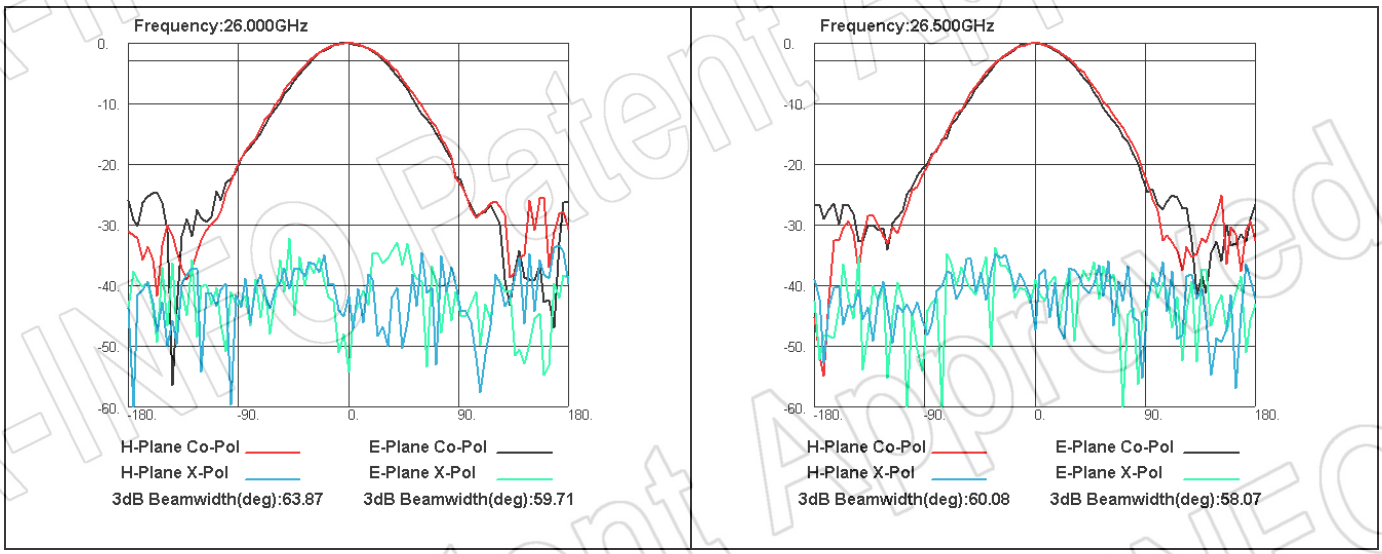
5. Pattern







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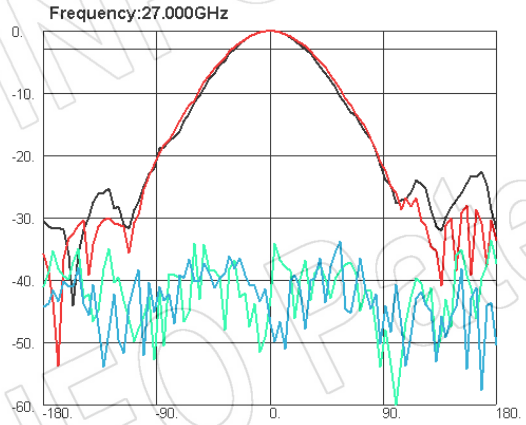
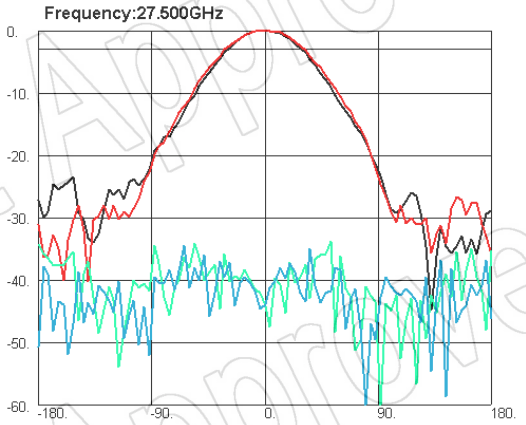


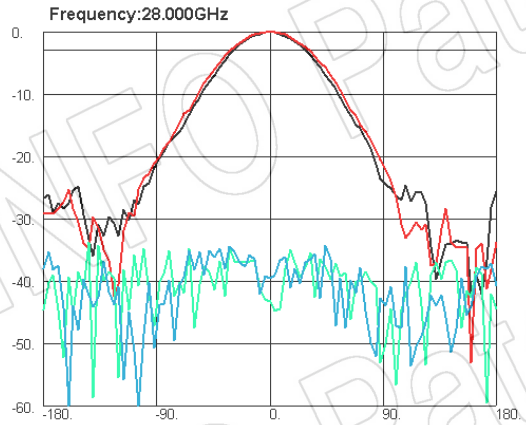
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):60.89

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):56.49



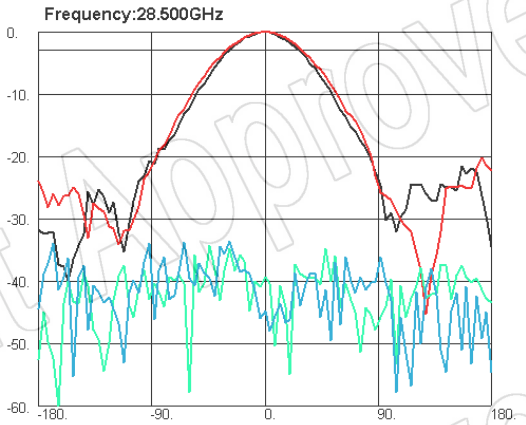
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):63.37

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):58.28



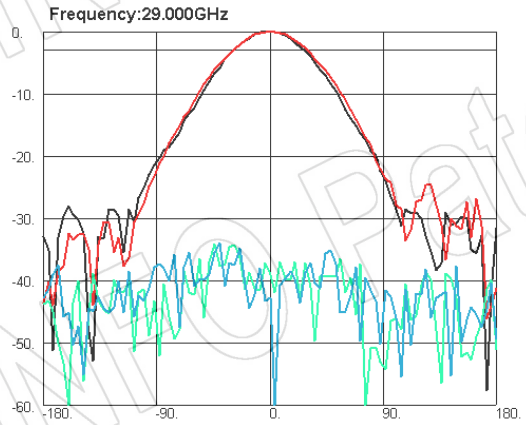
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):62.50

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):56.97



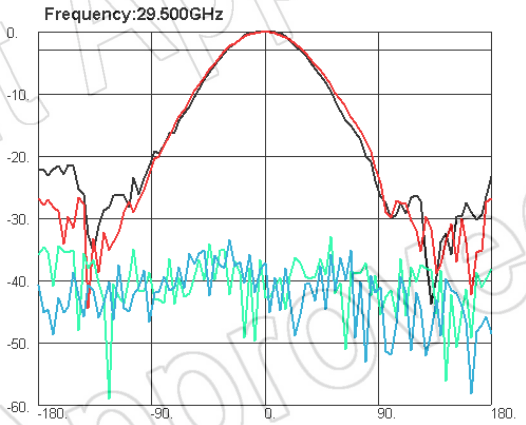
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):60.15

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):55.71



H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):58.80

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):56.59



H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):61.00

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):58.04

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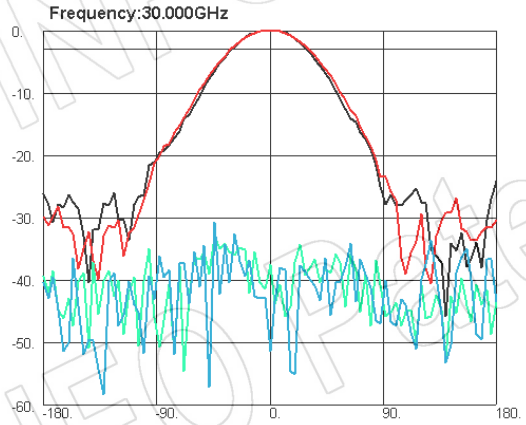
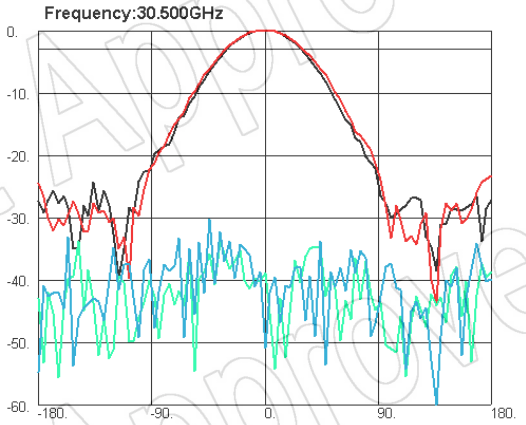


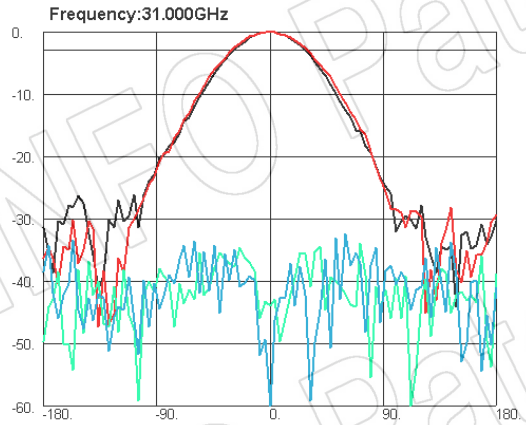
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):61.77

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):59.66



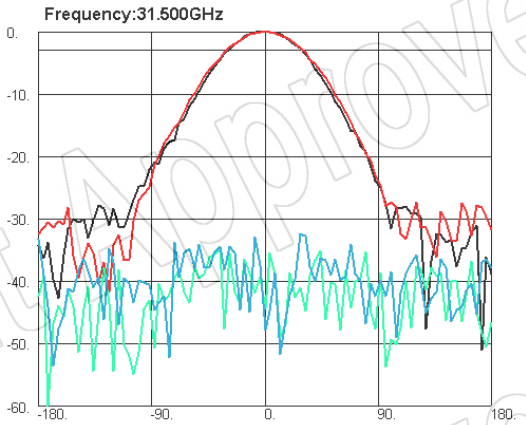
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):61.28

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):58.81



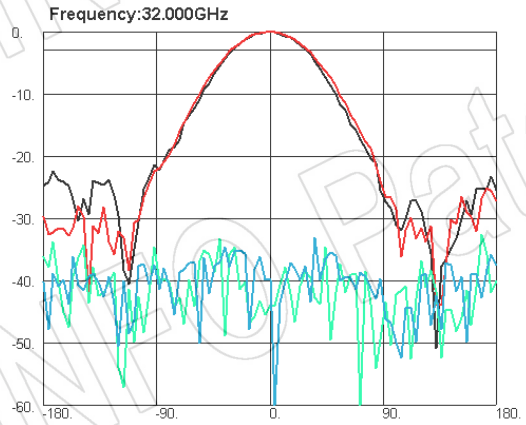
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):60.33

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):57.38



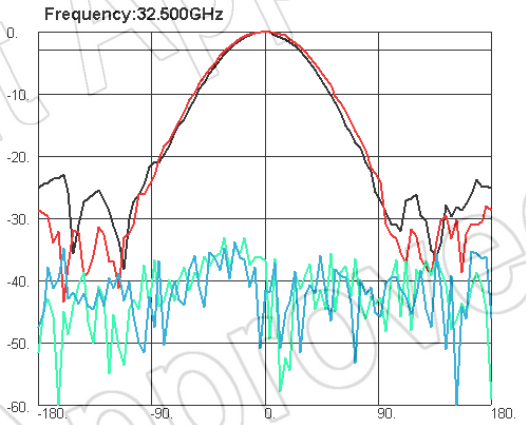
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):61.05

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):58.89



H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):61.66

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):58.68



H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):62.53

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):56.59

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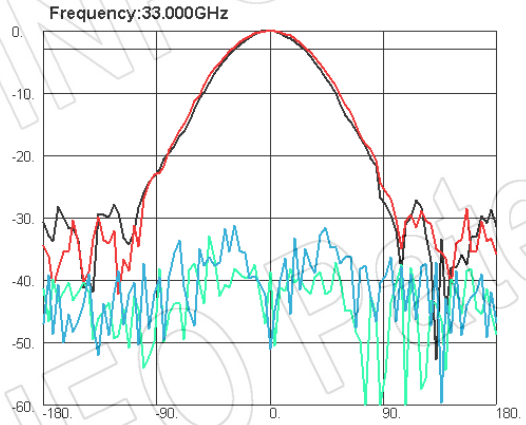
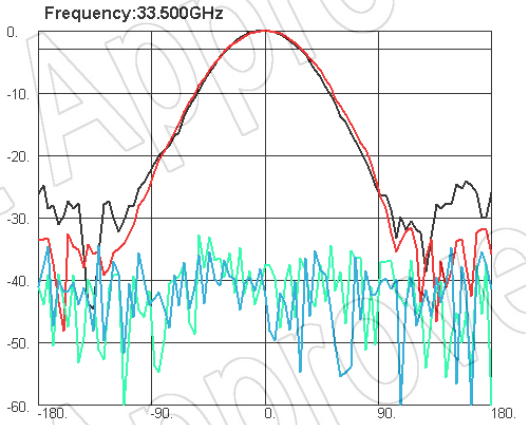
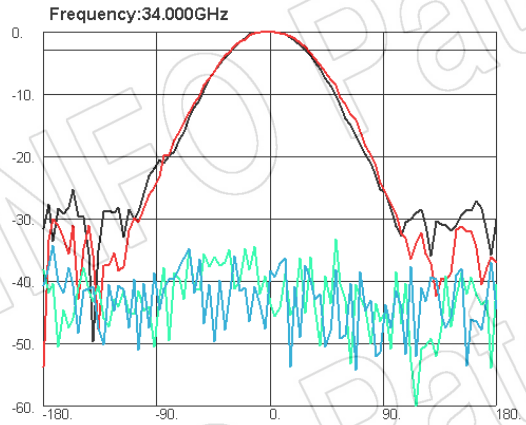


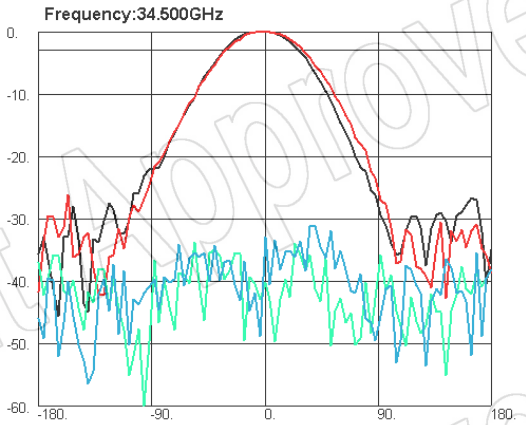
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):59.91
E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):55.58



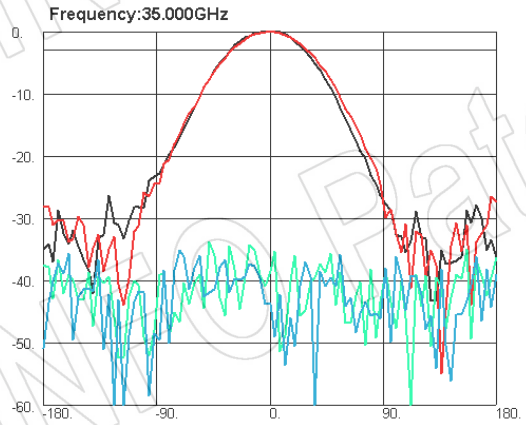
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):59.42
E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):58.24



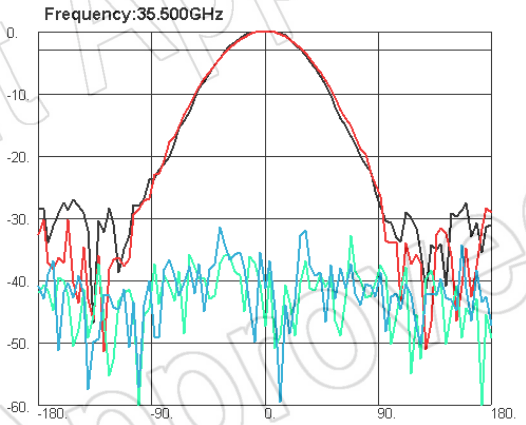
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):61.02
E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):58.57



H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):61.21
E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):58.99



H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):59.59
E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):58.55



H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):59.76
E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):59.72

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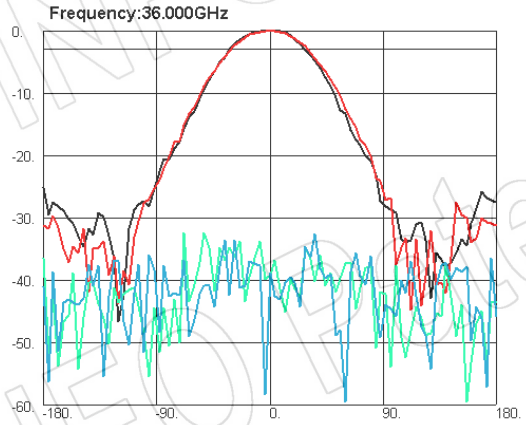
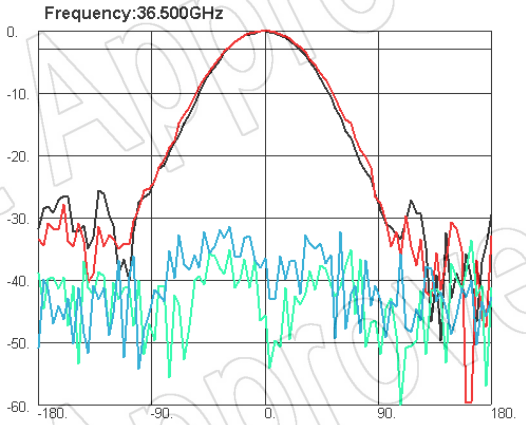


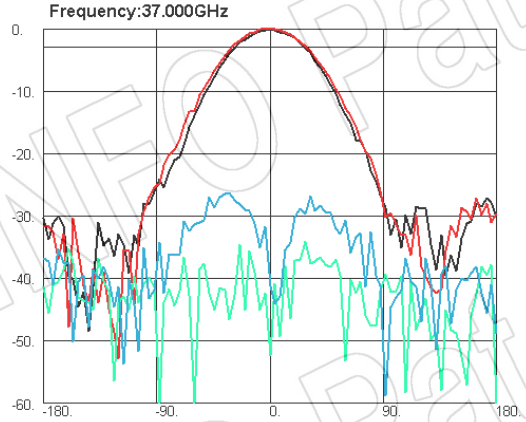
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):60.84

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):60.04



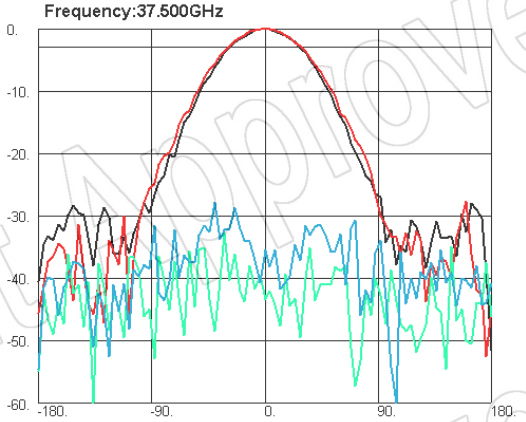
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):60.51

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):57.31



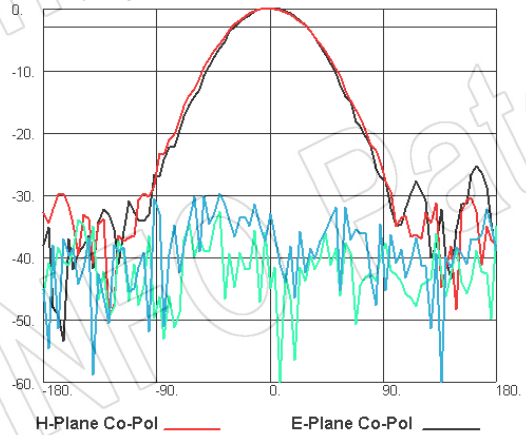
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):59.15

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):55.34



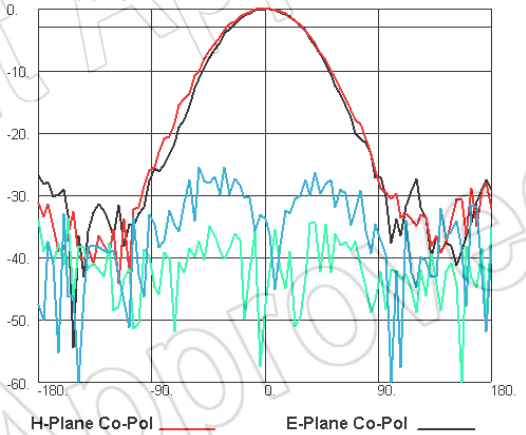
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):58.02

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):55.68



H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):59.98

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):57.83



H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):59.70

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):55.42

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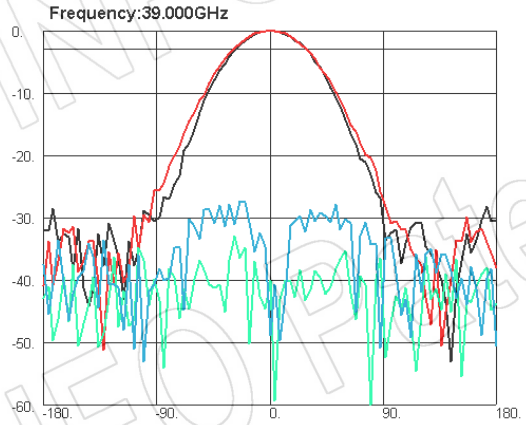
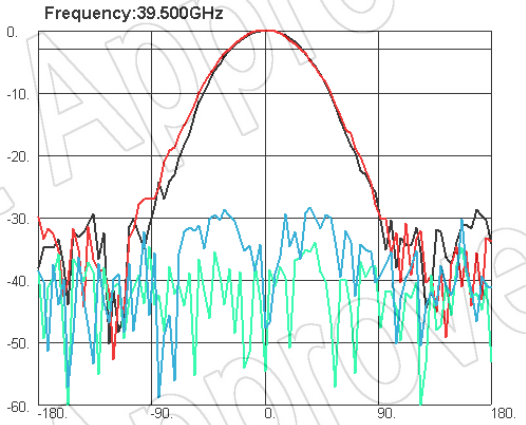


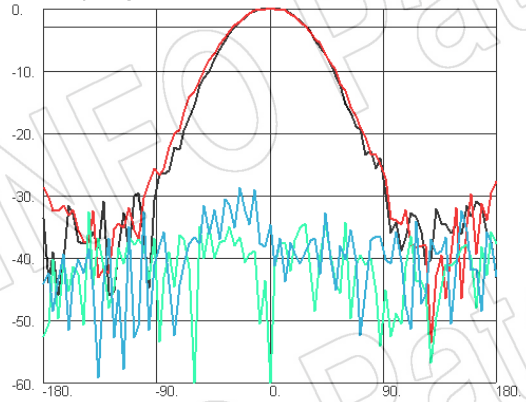
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):57.71

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):56.45



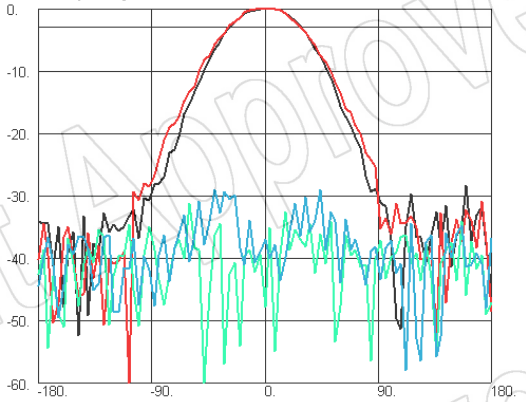
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):56.77

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):56.89



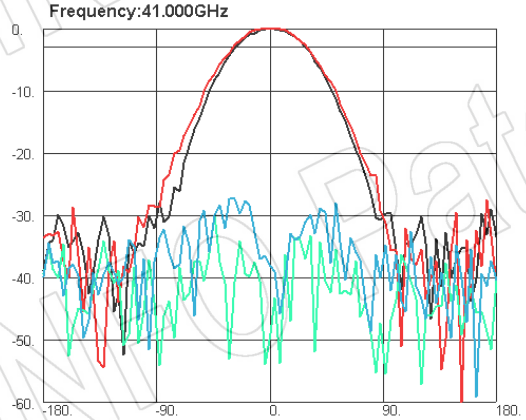
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):58.10

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):57.29



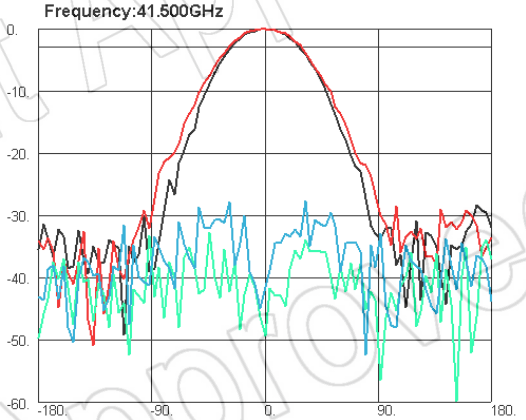
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):57.49

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):57.00



H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):58.50

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):55.72



H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):57.87

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):53.92

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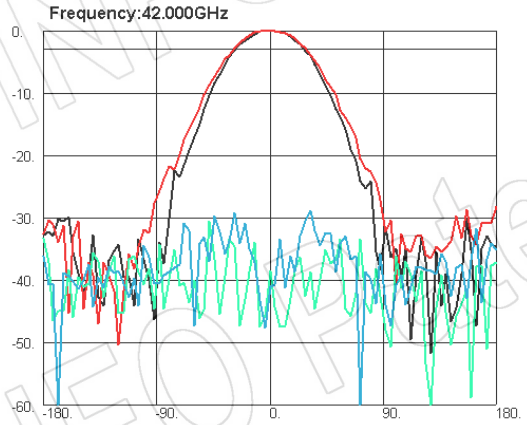
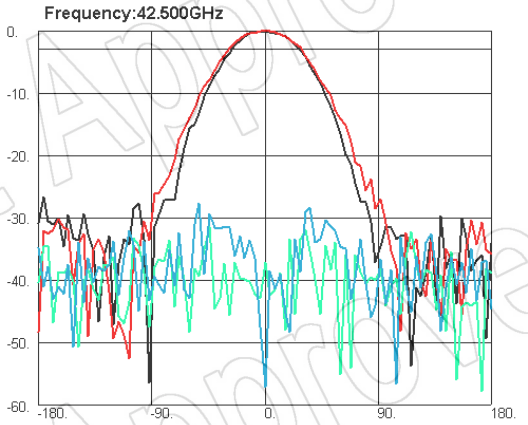


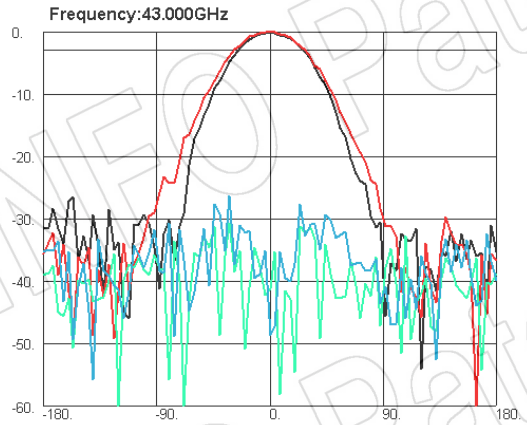
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):57.79

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):54.94



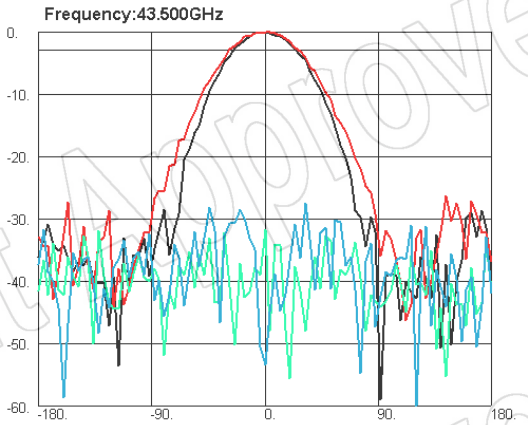
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):57.89

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):53.30



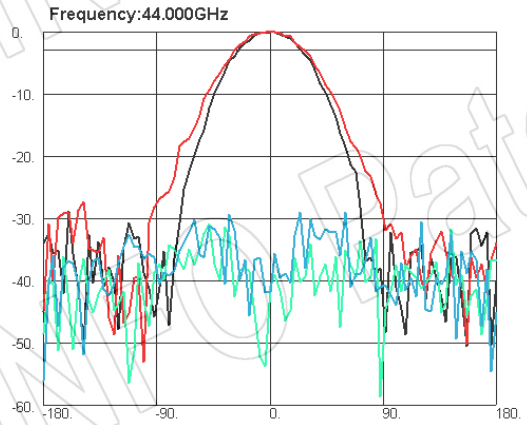
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):56.96

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):51.95



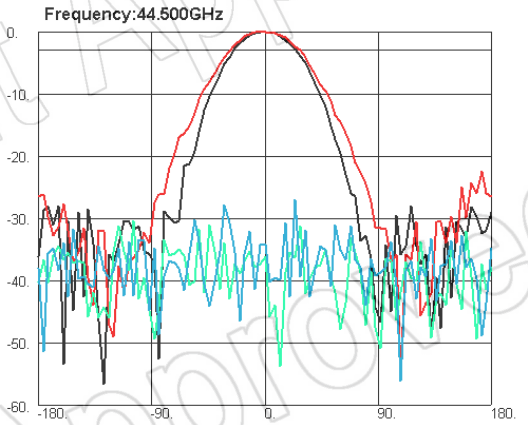
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):56.00

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):50.01



H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):55.70

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):50.17



H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):55.28

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):49.47

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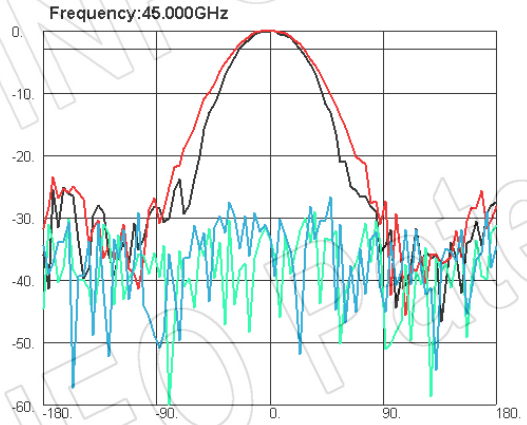
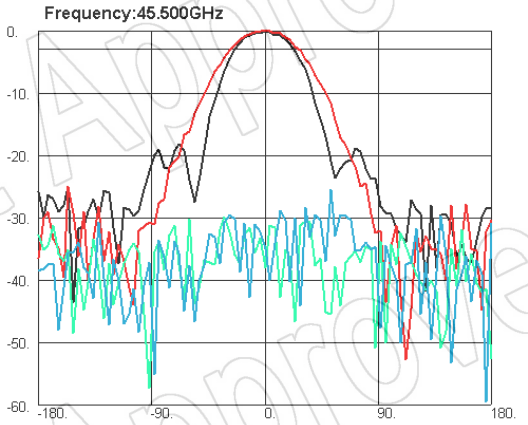


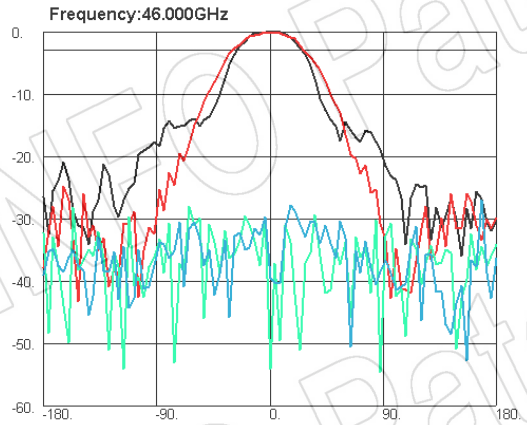
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):54.19

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):48.48



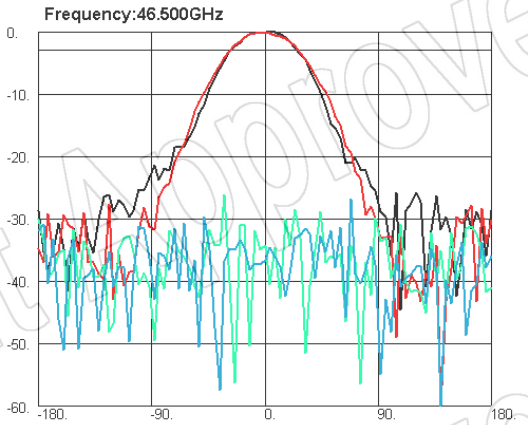
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):54.91

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):47.02



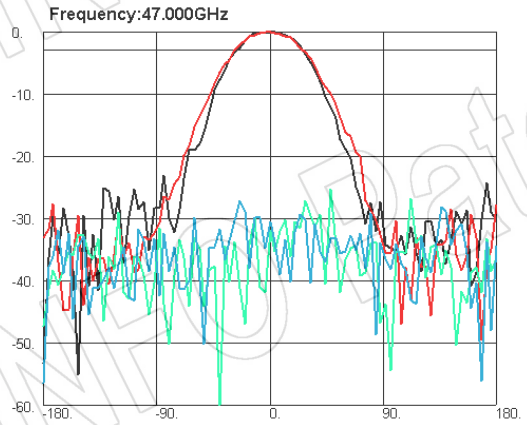
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):56.70

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):51.80



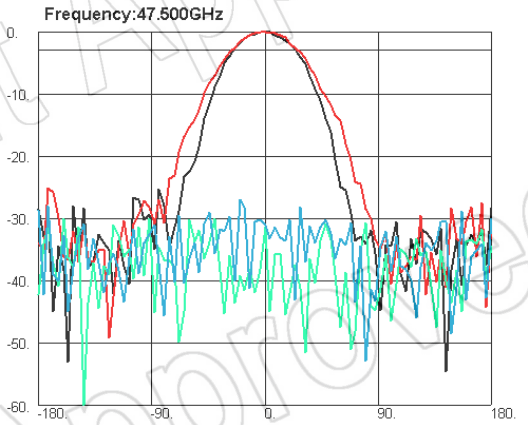
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):53.89

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):52.91



H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):54.25

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):52.08



H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):52.34

E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):49.68

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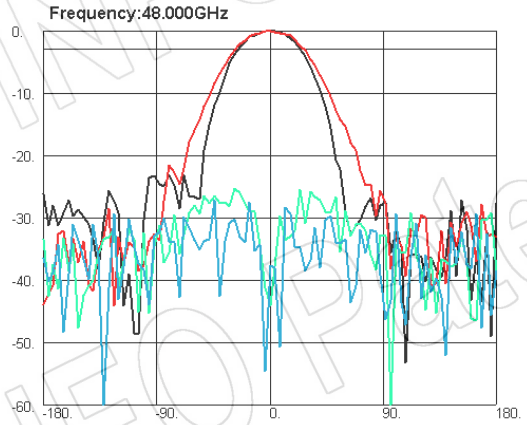

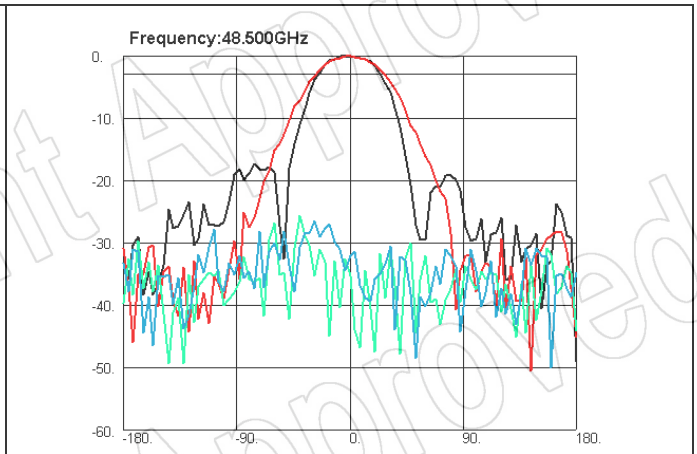

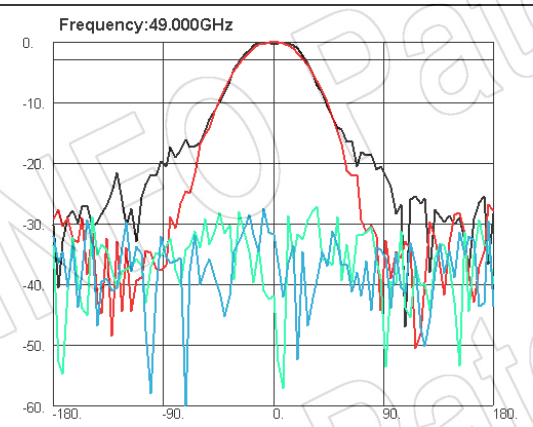

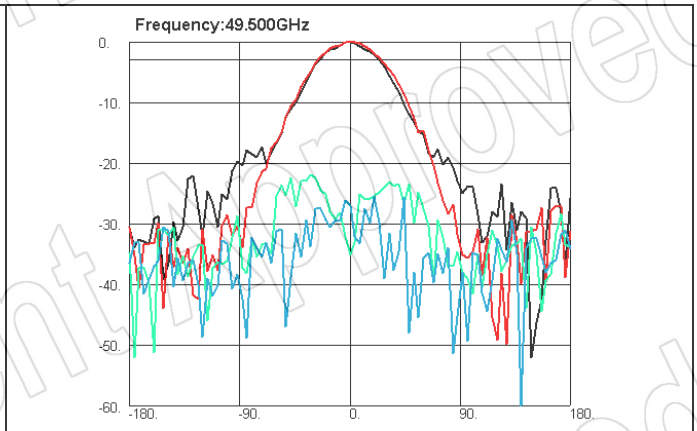

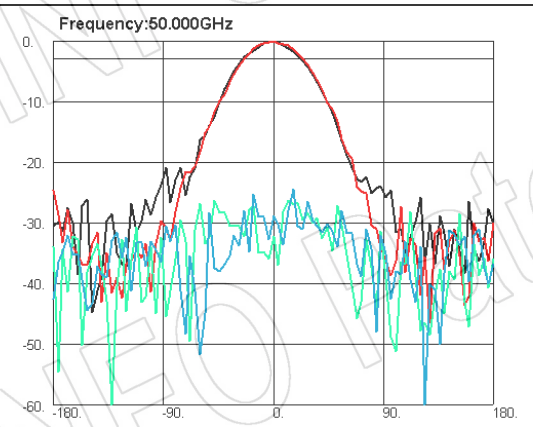

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