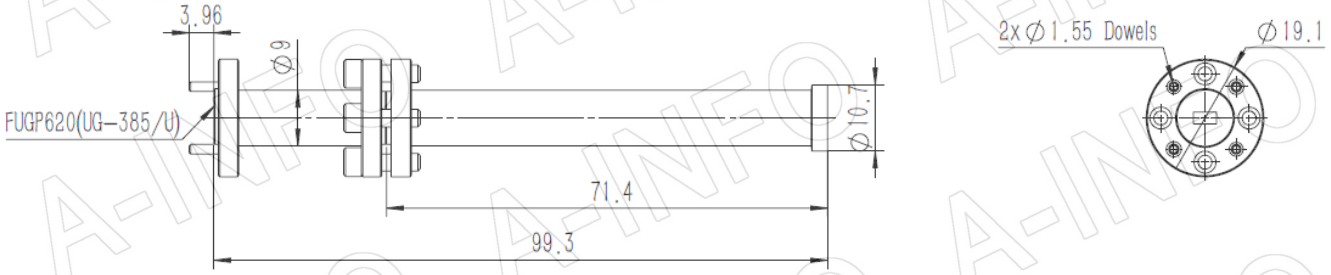
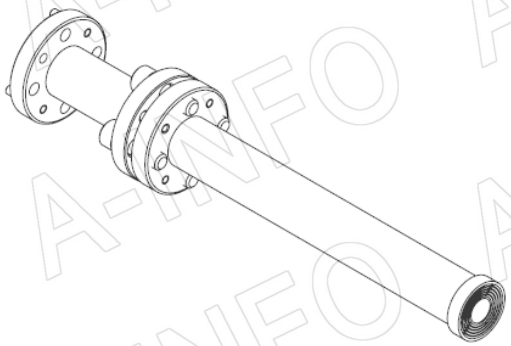
Technical Specification

Frequency Range(GHz)	A Type, WG output:	50.0 - 75.0
	C Type, 1.85mm-F:	50.0 - 65.0
	C Type, 1.0mm-F:	50.0 - 75.0
Waveguide	WR15	
Gain(dBi)	10 Typ.	
Polarization	Linear	
3dB Beamwidth(deg)	E Plane:	62 Typ.
	H Plane:	63 Typ.
10dB Beamwidth(deg)	E Plane:	110 Typ.
	H Plane:	112 Typ.
Cross Pol. Isolation(dB)	35 Typ.	
VSWR	A Type:	1.25:1 Typ.
	C Type:	1.50:1 Typ.
Output	A Type:	FUGP620(UG-385/U)
	C Type:	1.85mm-Female or 1.0mm-Female
Material	Cu	
Size(mm)	A Type:	19.1 x 19.1 x 99.3
	C Type:	19.1 x 19.1 x 127.3
Net Weight(Kg)	A Type:	0.06 Around
	C Type:	0.09 Around

Outline Drawing (Size: mm)

FUGP620 Output (P/N: LB-ACH-15-10-A)





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USA : Tel: (+1) 949-639-9688, (+1) 949-639-9608 Fax: (+1) 949-639-9670 Email: sales@ainfoinc.com

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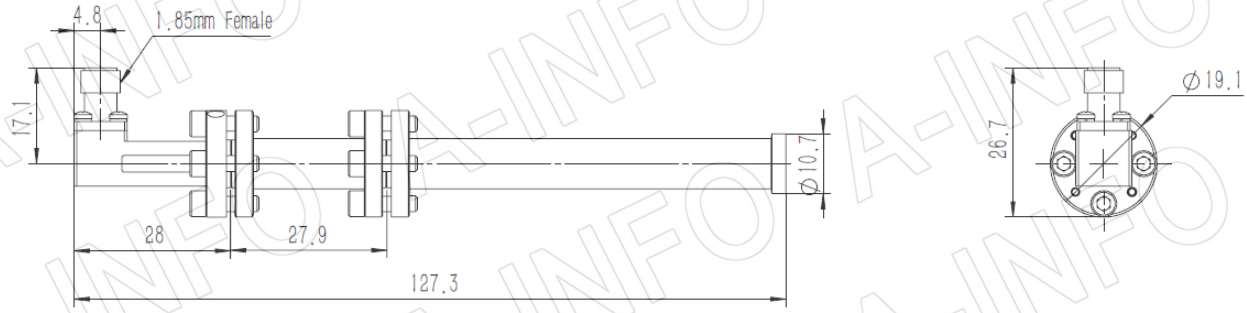
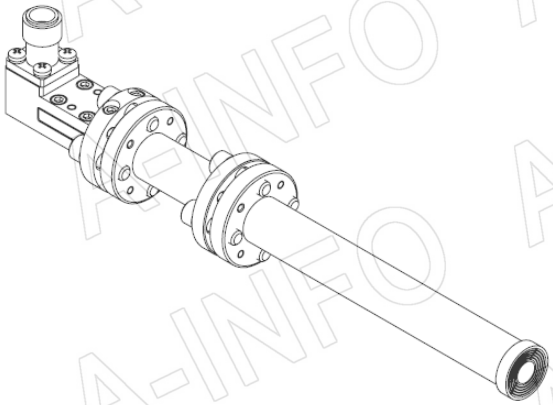
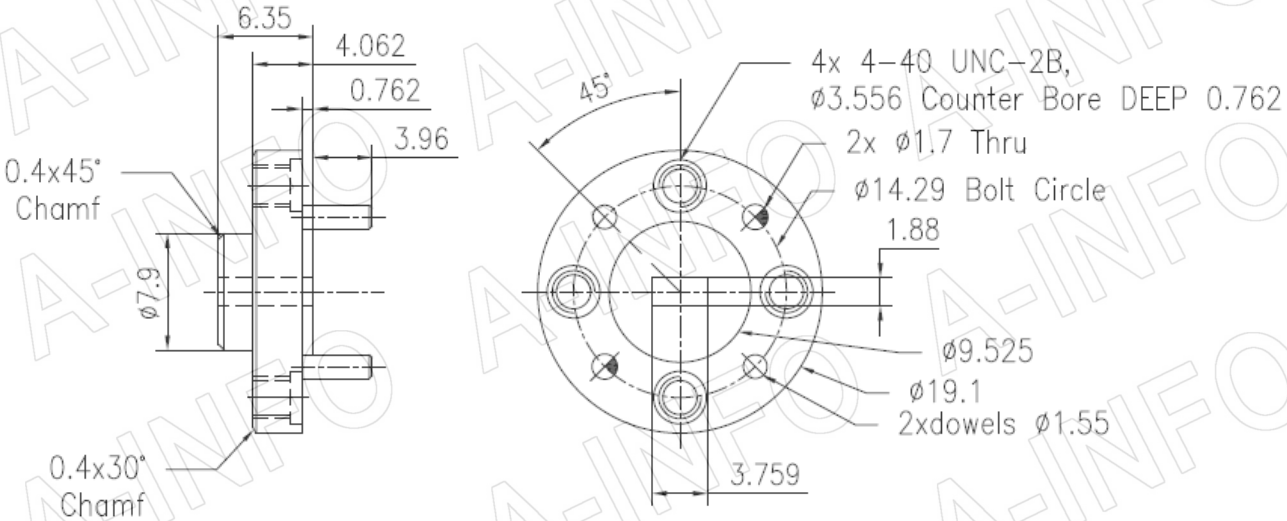
1.85mm-Female Output (P/N: LB-ACH-15-10-C-1.85F)

For 1.0mm-Female output outline drawing, please contact A-INFO.





Flange Drawing (Size: mm)



FUGP620
(equivalent to UG-385/U)

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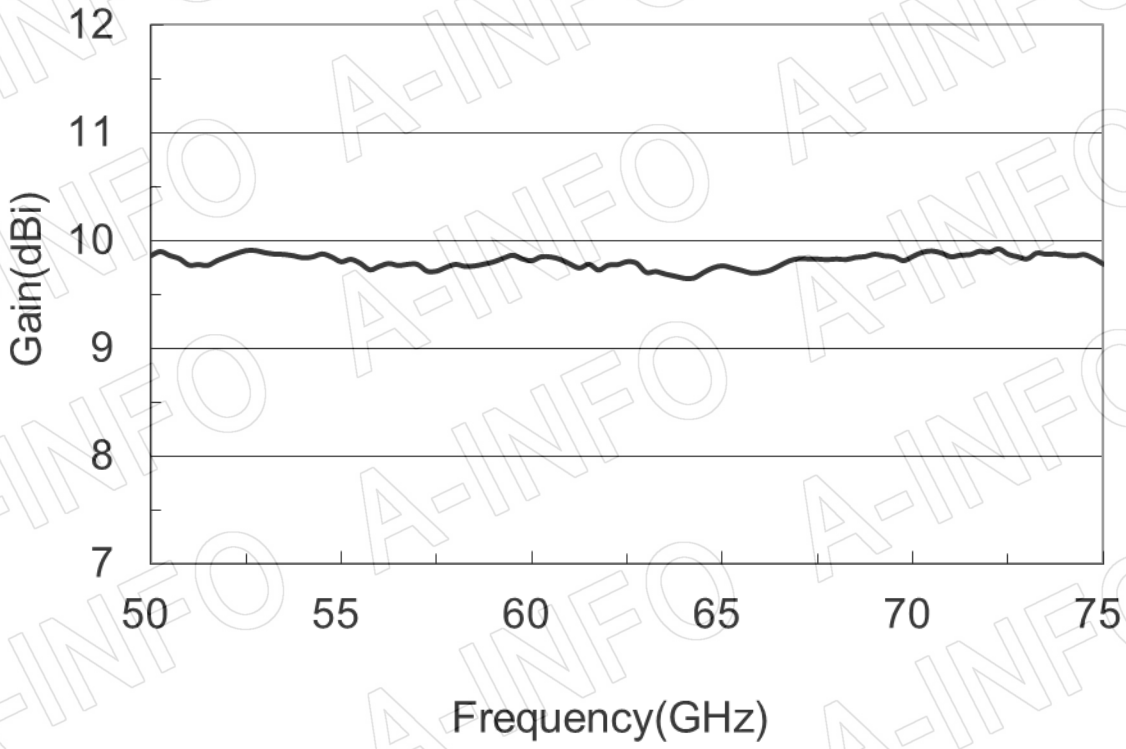
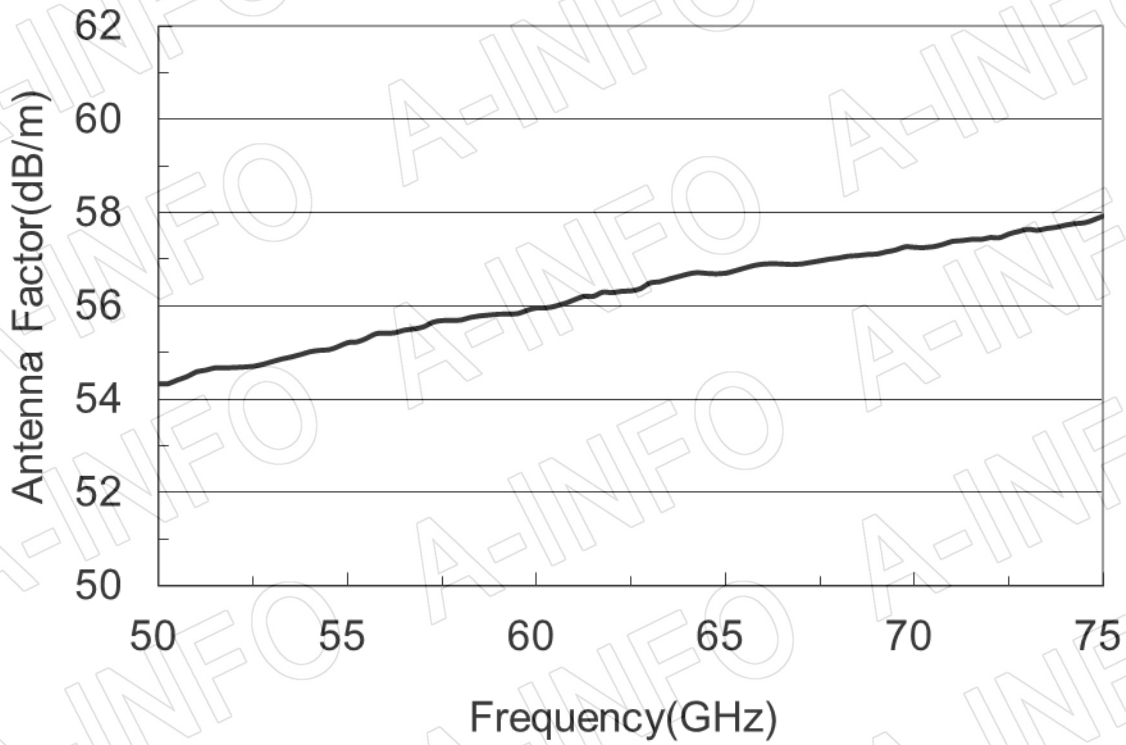
Test Results

1. Gain & Antenna Factor





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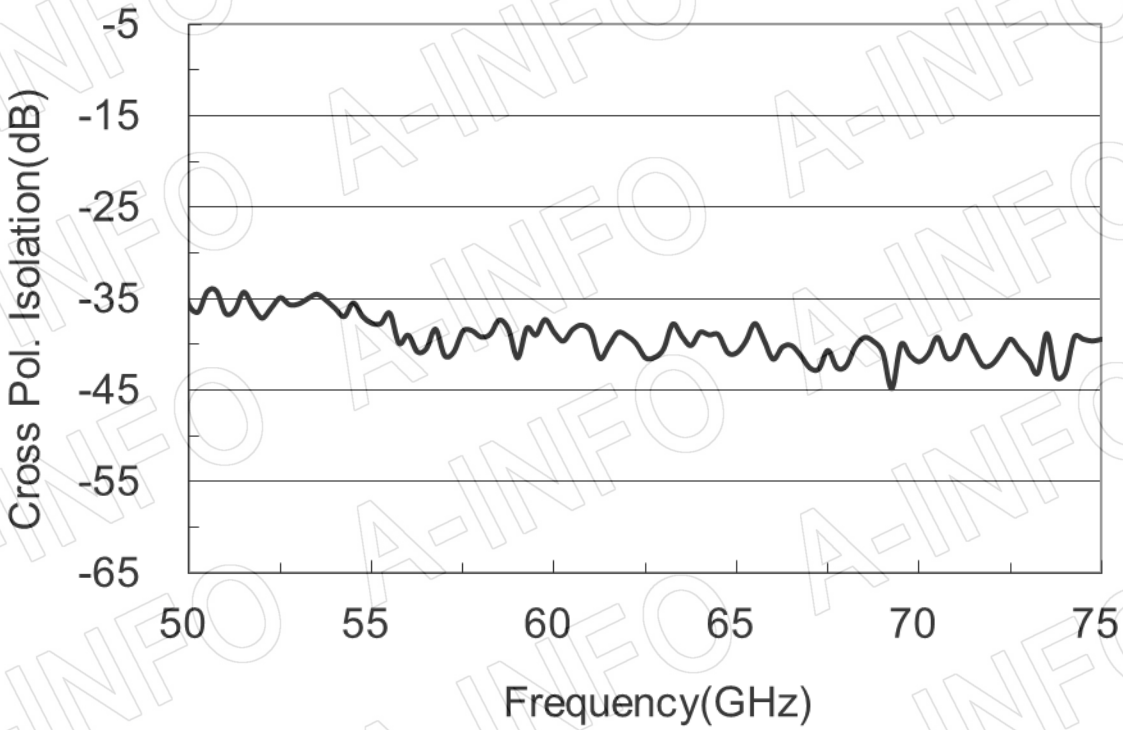
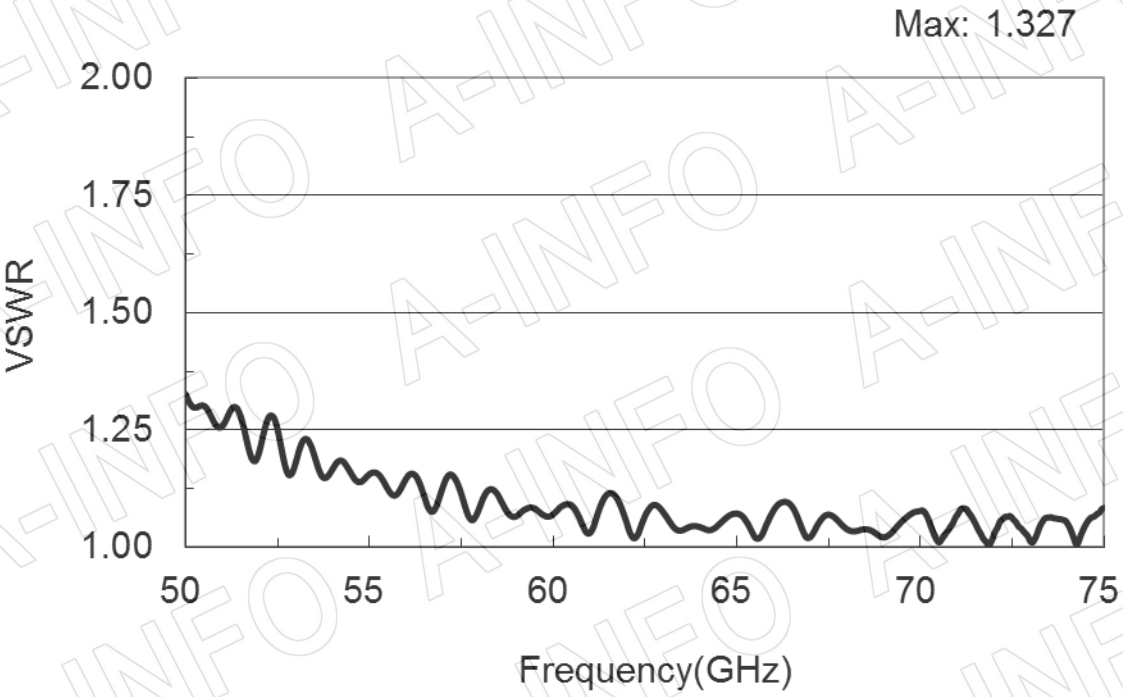
2. Cross Polarization Isolation



3. VSWR_A Type



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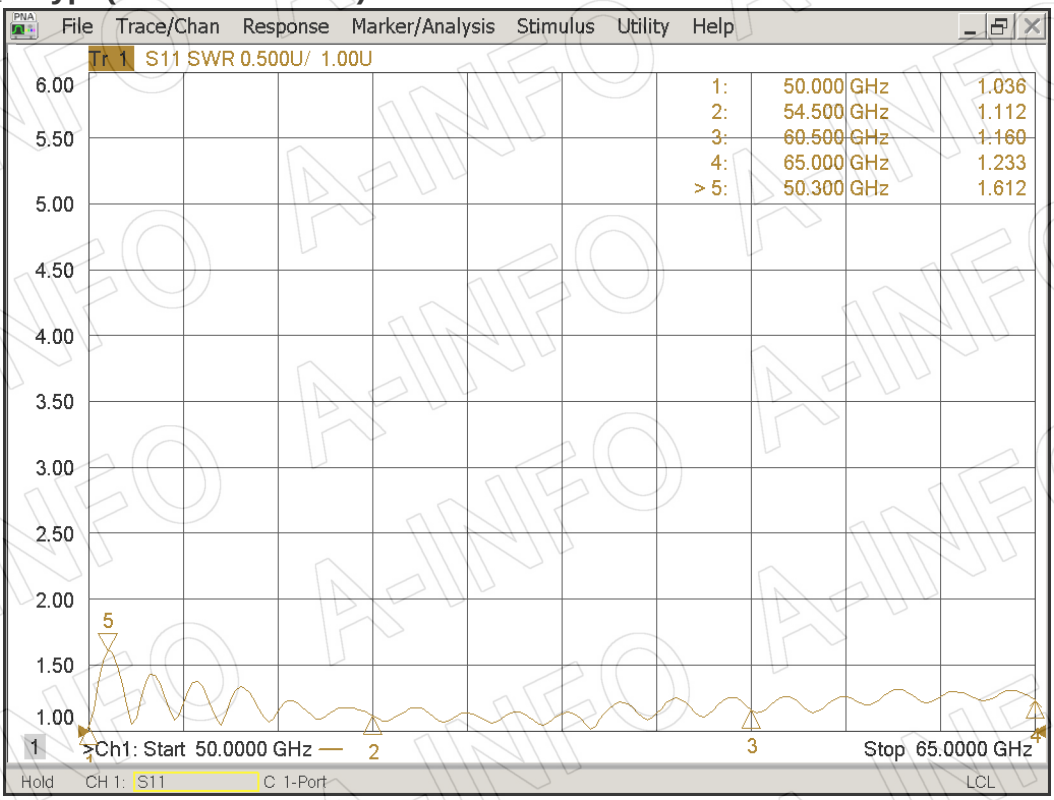
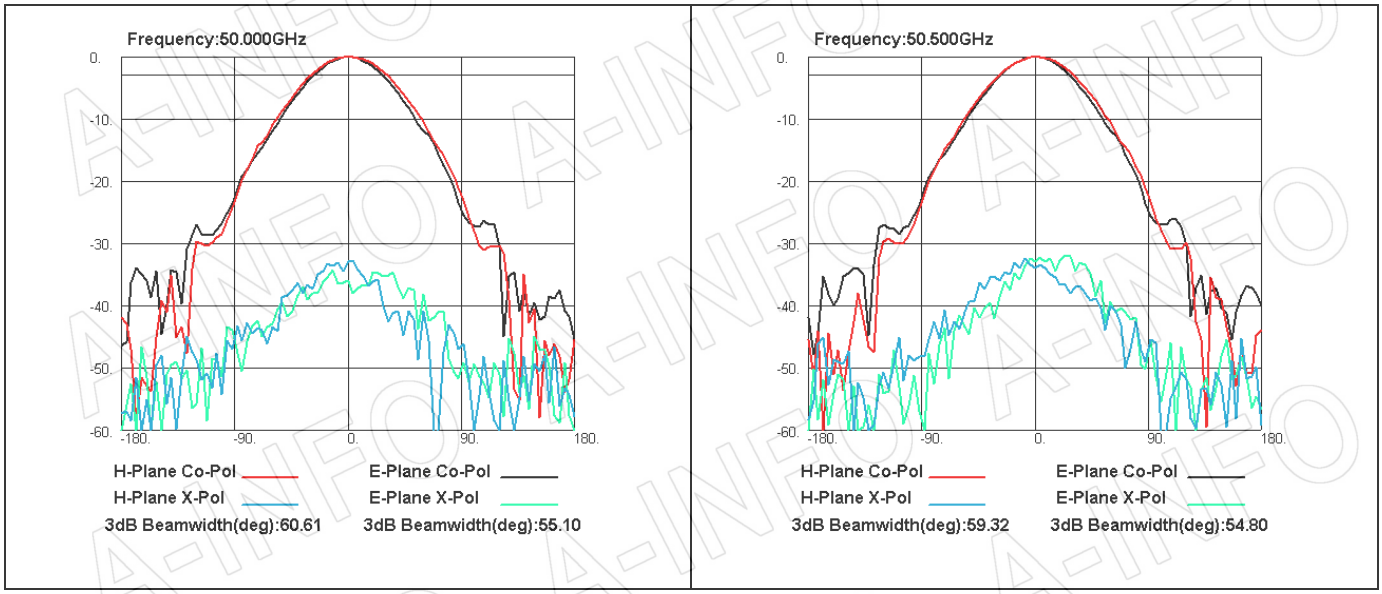
VSWR_C Type(1.85mm-Female)



4. Pattern



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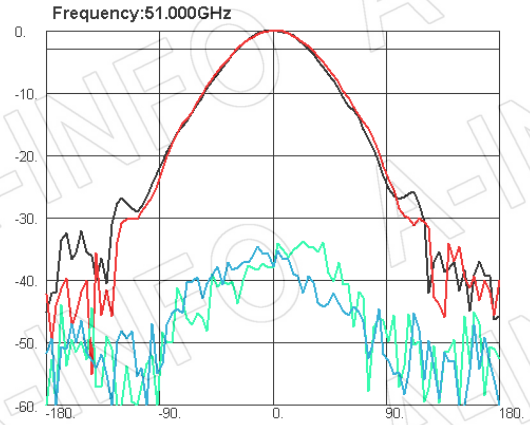
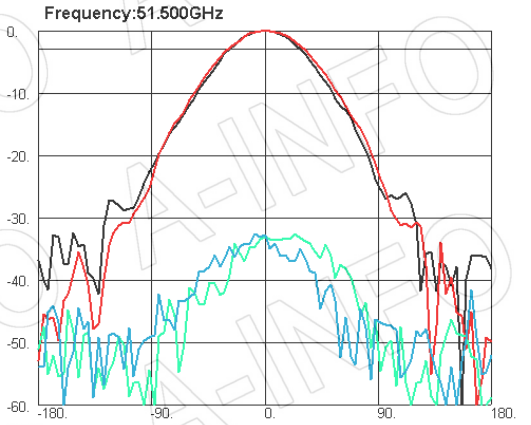
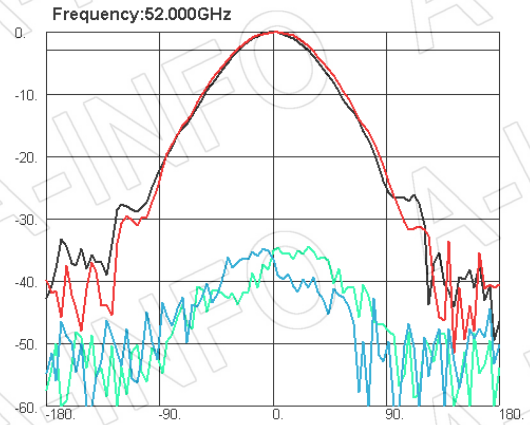


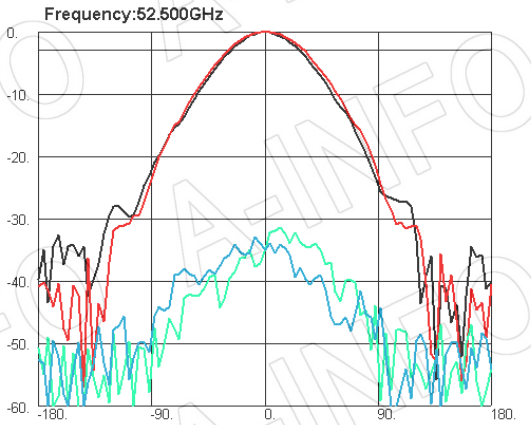
H-Plane Co-Pol
E-Plane Co-Pol
H-Plane X-Pol
E-Plane X-Pol
3dB Beamwidth(deg):59.58
3dB Beamwidth(deg):56.79



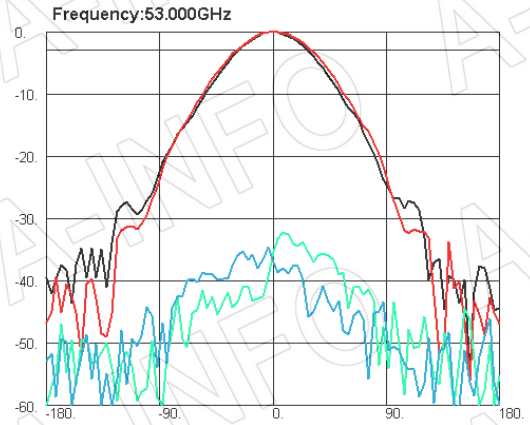
H-Plane Co-Pol
E-Plane Co-Pol
H-Plane X-Pol
E-Plane X-Pol
3dB Beamwidth(deg):60.61
3dB Beamwidth(deg):56.73



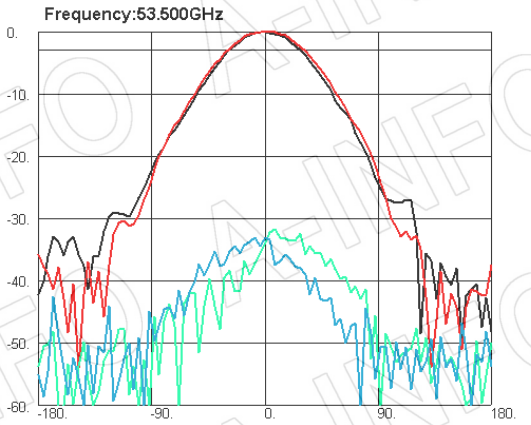
H-Plane Co-Pol
E-Plane Co-Pol
H-Plane X-Pol
E-Plane X-Pol
3dB Beamwidth(deg):59.92
3dB Beamwidth(deg):55.48



H-Plane Co-Pol
E-Plane Co-Pol
H-Plane X-Pol
E-Plane X-Pol
3dB Beamwidth(deg):60.46
3dB Beamwidth(deg):54.29



H-Plane Co-Pol
E-Plane Co-Pol
H-Plane X-Pol
E-Plane X-Pol
3dB Beamwidth(deg):59.54
3dB Beamwidth(deg):54.72



H-Plane Co-Pol
E-Plane Co-Pol
H-Plane X-Pol
E-Plane X-Pol
3dB Beamwidth(deg):60.26
3dB Beamwidth(deg):56.90

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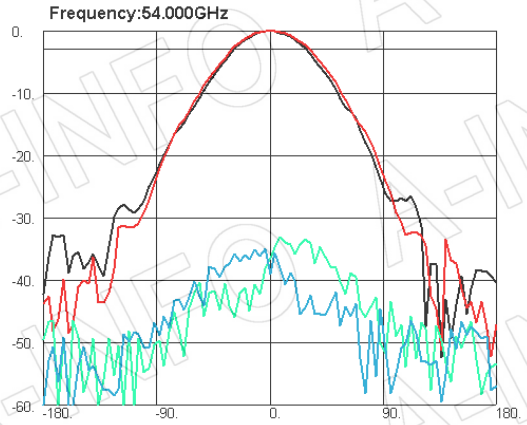
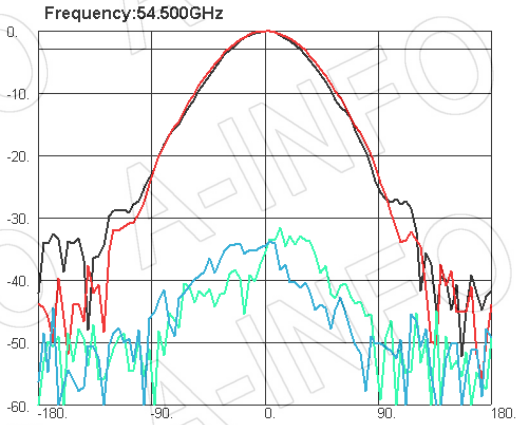
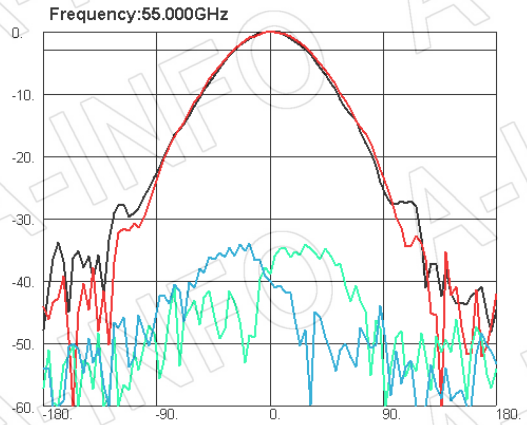


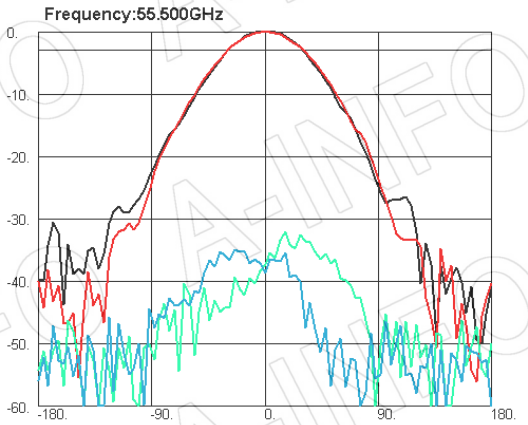
H-Plane Co-Pol
E-Plane Co-Pol
H-Plane X-Pol
E-Plane X-Pol
3dB Beamwidth(deg):61.32
3dB Beamwidth(deg):57.48



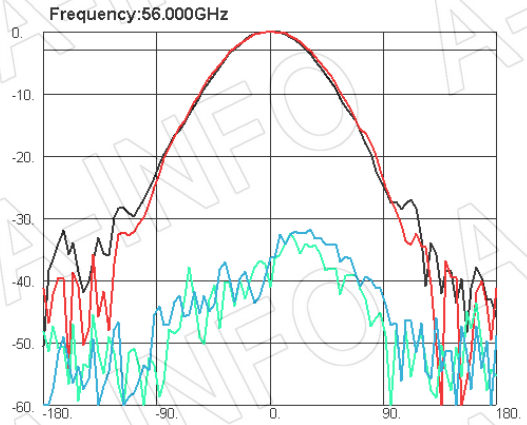
H-Plane Co-Pol
E-Plane Co-Pol
H-Plane X-Pol
E-Plane X-Pol
3dB Beamwidth(deg):60.53
3dB Beamwidth(deg):55.43



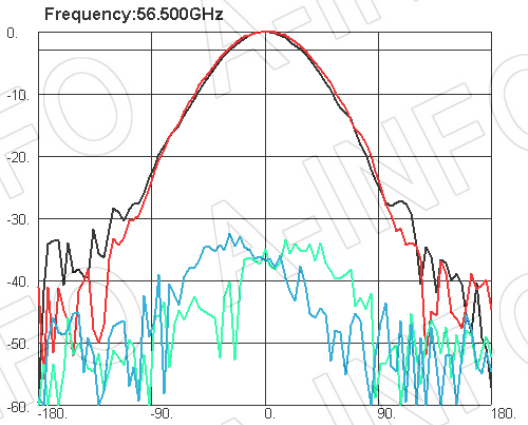
H-Plane Co-Pol
E-Plane Co-Pol
H-Plane X-Pol
E-Plane X-Pol
3dB Beamwidth(deg):59.83
3dB Beamwidth(deg):57.18



H-Plane Co-Pol
E-Plane Co-Pol
H-Plane X-Pol
E-Plane X-Pol
3dB Beamwidth(deg):59.80
3dB Beamwidth(deg):59.37



H-Plane Co-Pol
E-Plane Co-Pol
H-Plane X-Pol
E-Plane X-Pol
3dB Beamwidth(deg):61.88
3dB Beamwidth(deg):58.45



H-Plane Co-Pol
E-Plane Co-Pol
H-Plane X-Pol
E-Plane X-Pol
3dB Beamwidth(deg):61.09
3dB Beamwidth(deg):57.02

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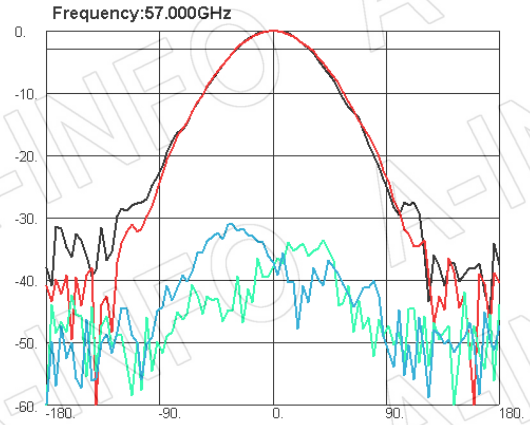
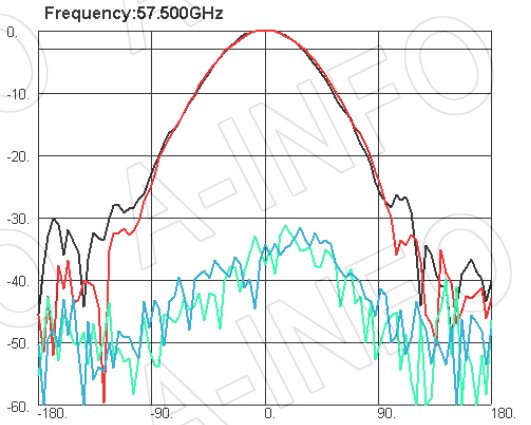
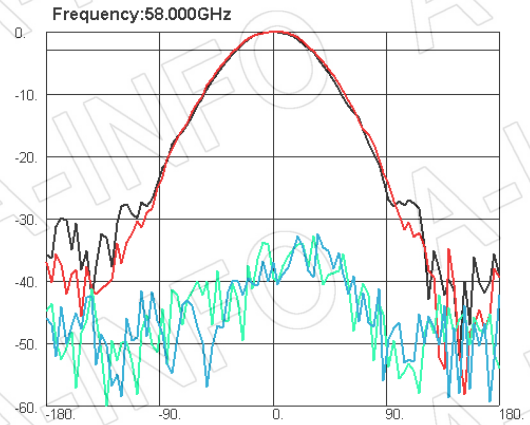


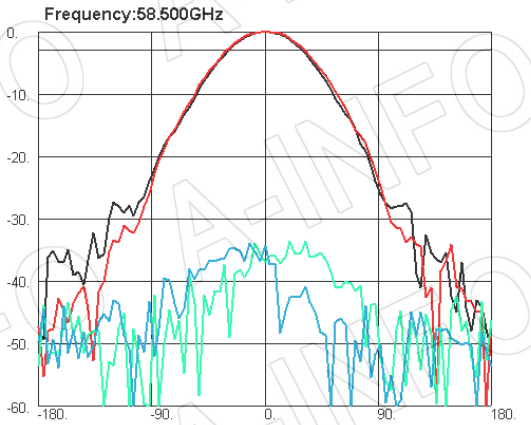
H-Plane Co-Pol
E-Plane Co-Pol
H-Plane X-Pol
E-Plane X-Pol
3dB Beamwidth(deg):60.28
3dB Beamwidth(deg):58.46



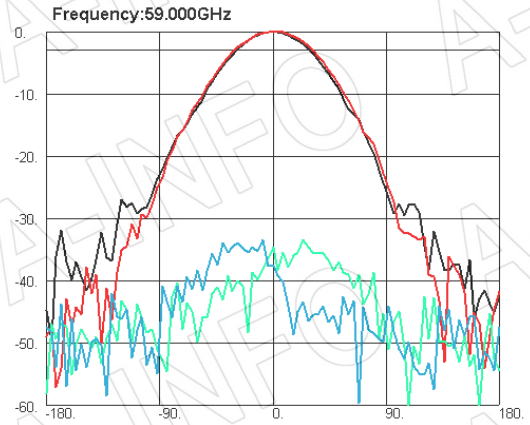
H-Plane Co-Pol
E-Plane Co-Pol
H-Plane X-Pol
E-Plane X-Pol
3dB Beamwidth(deg):61.73
3dB Beamwidth(deg):59.80



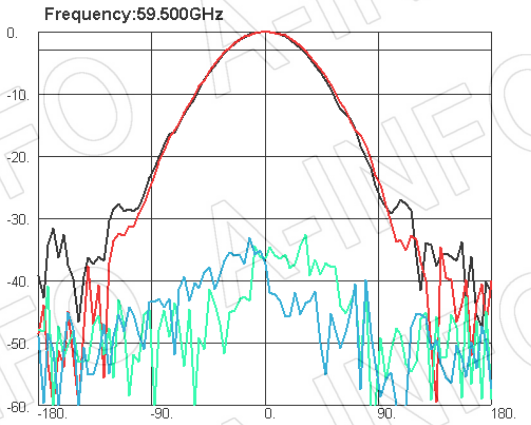
H-Plane Co-Pol
E-Plane Co-Pol
H-Plane X-Pol
E-Plane X-Pol
3dB Beamwidth(deg):61.12
3dB Beamwidth(deg):59.51



H-Plane Co-Pol
E-Plane Co-Pol
H-Plane X-Pol
E-Plane X-Pol
3dB Beamwidth(deg):61.90
3dB Beamwidth(deg):59.15



H-Plane Co-Pol
E-Plane Co-Pol
H-Plane X-Pol
E-Plane X-Pol
3dB Beamwidth(deg):62.18
3dB Beamwidth(deg):57.95



H-Plane Co-Pol
E-Plane Co-Pol
H-Plane X-Pol
E-Plane X-Pol
3dB Beamwidth(deg):61.78
3dB Beamwidth(deg):59.34

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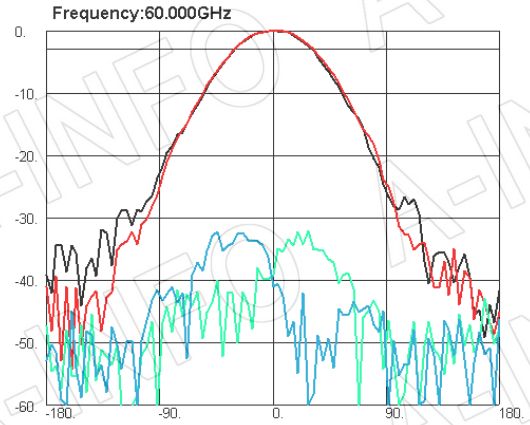
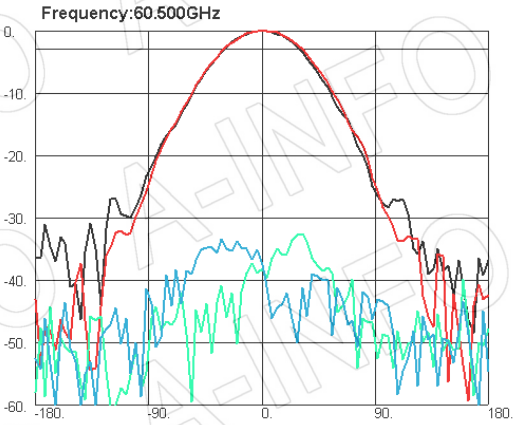
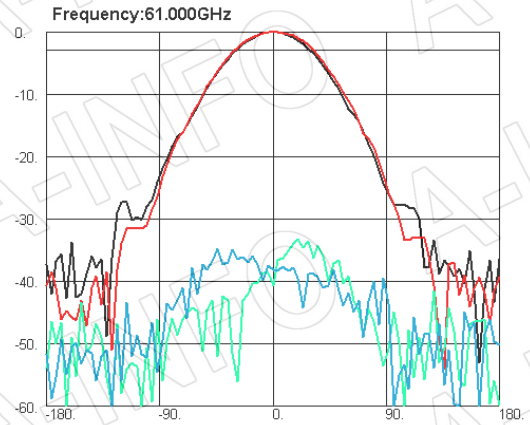


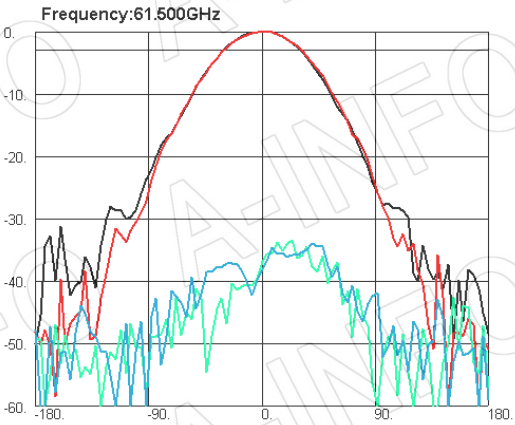
H-Plane Co-Pol
H-Plane X-Pol
E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):62.28
3dB Beamwidth(deg):61.26



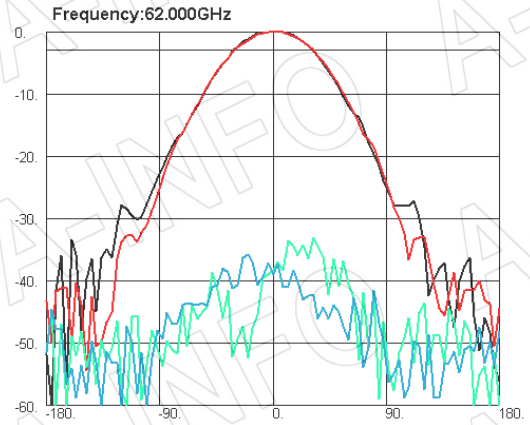
H-Plane Co-Pol
H-Plane X-Pol
E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):62.81
3dB Beamwidth(deg):60.14



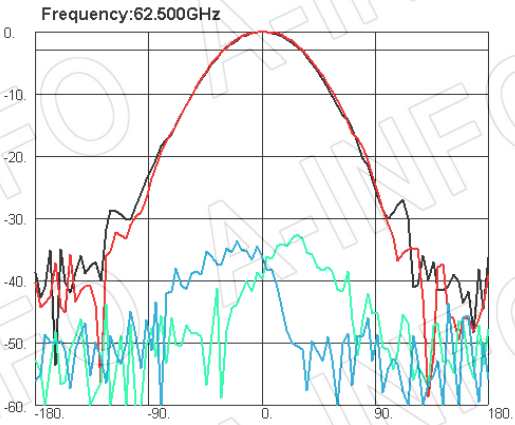
H-Plane Co-Pol
H-Plane X-Pol
E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):62.33
3dB Beamwidth(deg):58.75



H-Plane Co-Pol
H-Plane X-Pol
E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):61.84
3dB Beamwidth(deg):61.11



H-Plane Co-Pol
H-Plane X-Pol
E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):62.28
3dB Beamwidth(deg):62.87



H-Plane Co-Pol
H-Plane X-Pol
E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):62.66
3dB Beamwidth(deg):61.58

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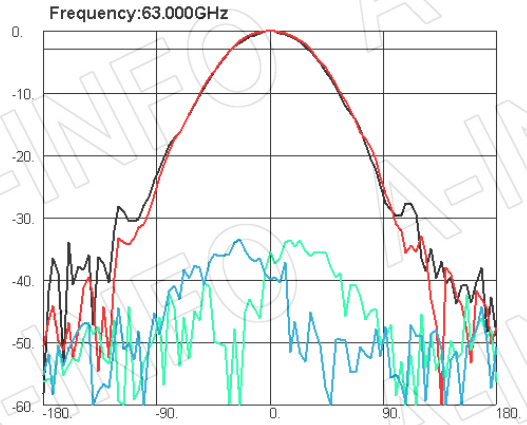
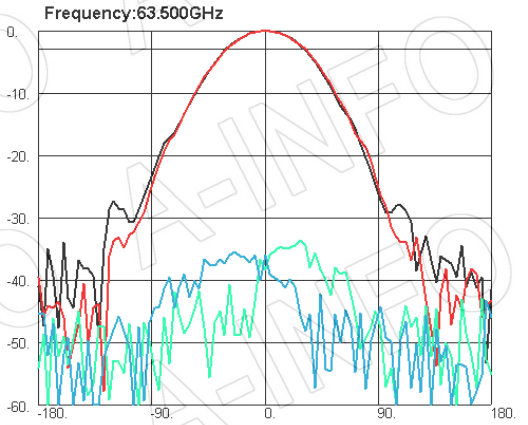
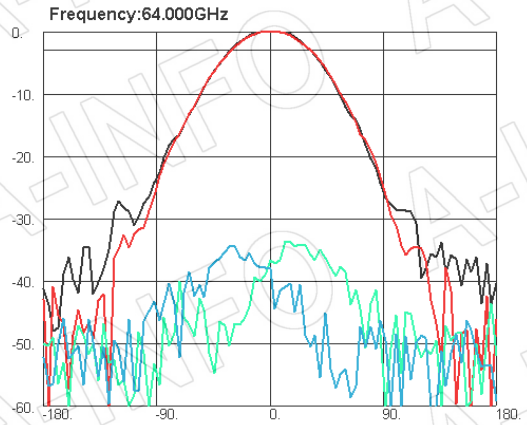


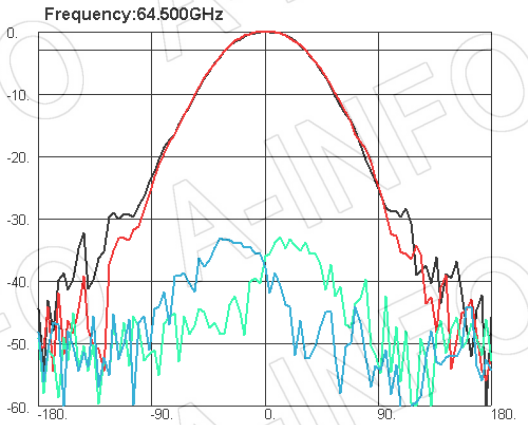
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):62.93
E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):60.67



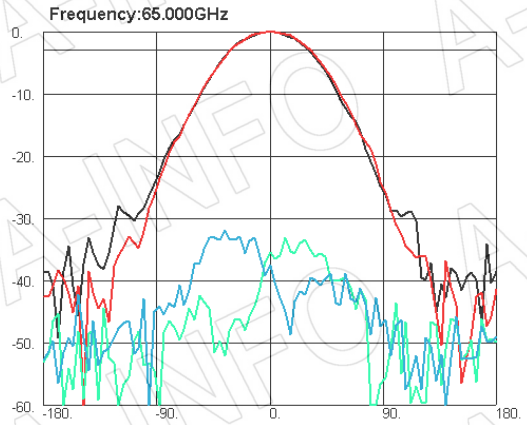
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):62.94
E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):62.03



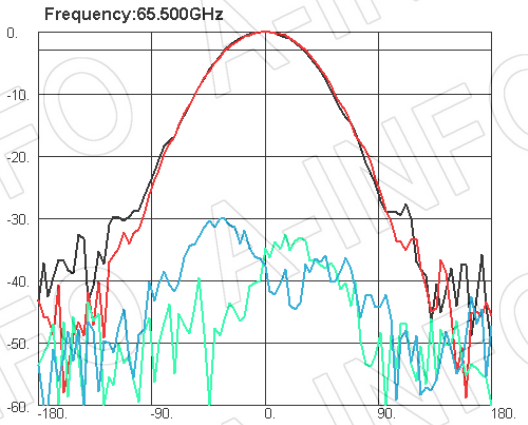
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):62.87
E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):63.74



H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):63.78
E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):63.51



H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):63.78
E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):62.31



H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):63.01
E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):62.98

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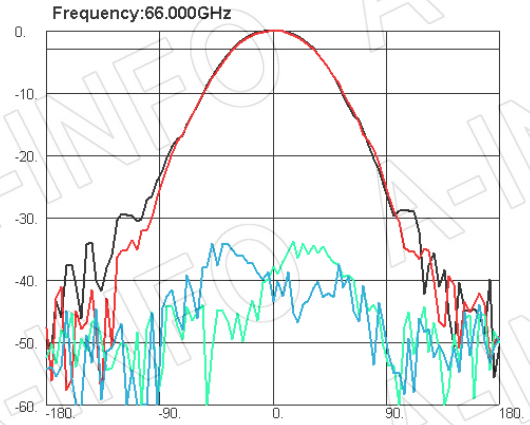
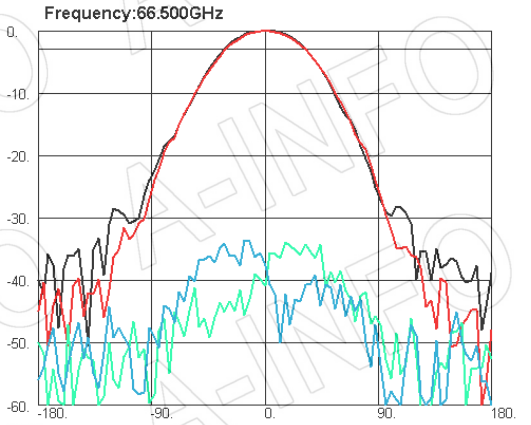
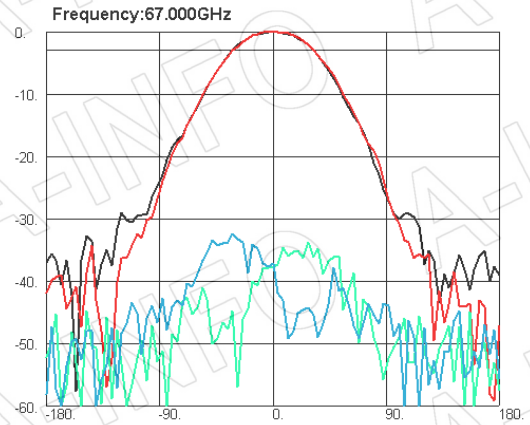


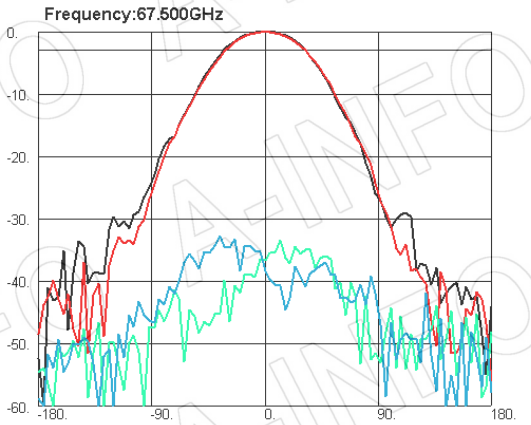
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):63.11
E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):64.91



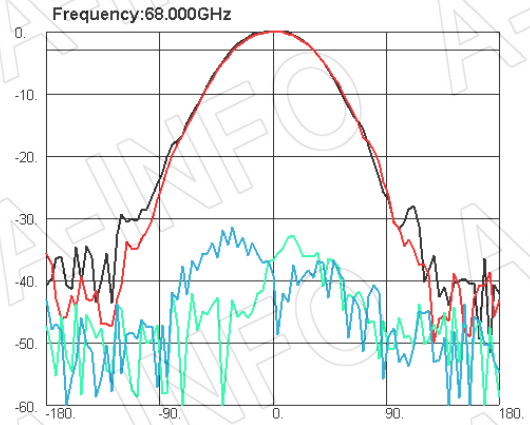
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):63.39
E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):65.03



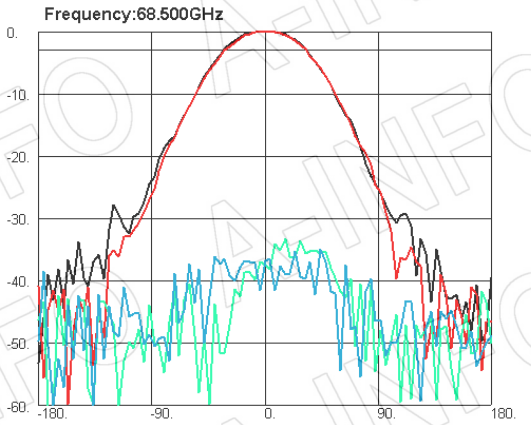
H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):64.25
E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):64.64



H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):63.14
E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):65.11



H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):63.94
E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):65.36



H-Plane Co-Pol
H-Plane X-Pol
3dB Beamwidth(deg):64.54
E-Plane Co-Pol
E-Plane X-Pol
3dB Beamwidth(deg):65.88

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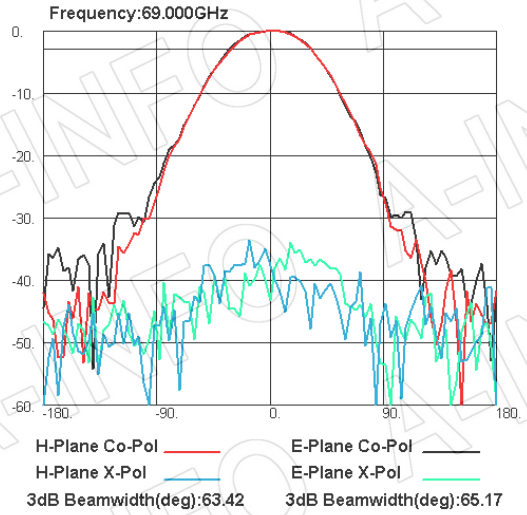

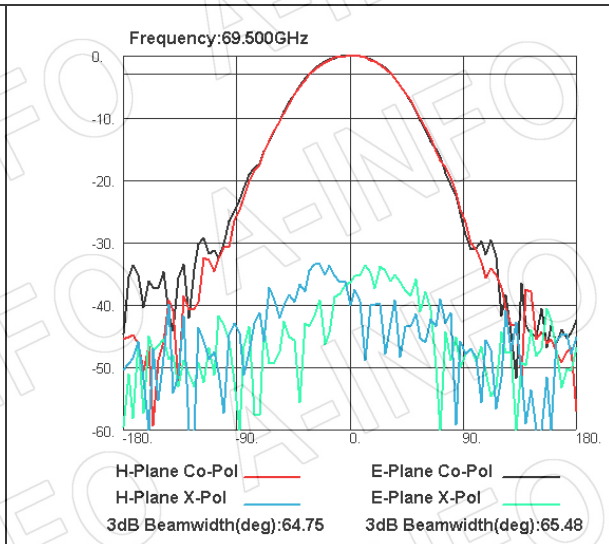

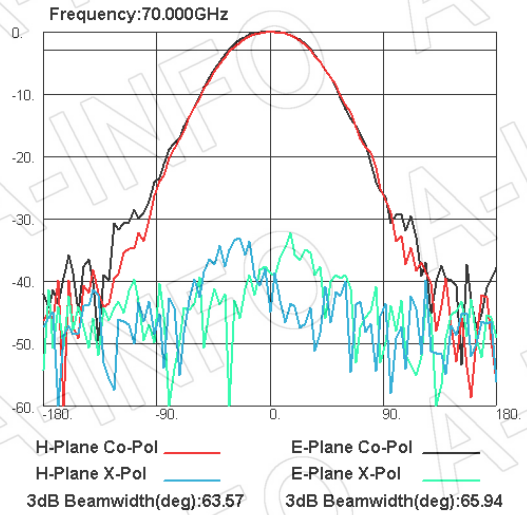

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