Without Radome

With Radome

Technical Specification

Polarization	RHCP or LHCP	
Frequency Range(GHz)	1 - 18	
Gain(dBic)	Without Radome	-6.46@1GHz
		4.76@8GHz
		1.42@18GHz
	With Radome	-6.50@1GHz
		4.81@8GHz
		2.30@18GHz
Axial Ratio(dB)	3 Max.	
3dB Beamwidth(deg)	Without Radome	E: 115 - 60
		H: 110 - 60
VSWR	2.0:1 Typ.	
	3.0:1 Max	
Connector	SMA- Female	
Material	Al	
Size(mm)	Φ120 x 89.4 (Without Radome)	
	Φ132 x 94.6 (With Radome)	
Net Weight(Kg)	0.85 Around(Without Radome)	
	0.87 Around(With Radome)	
Material For Radome	Rigid Foam	
Operating Environment For Radome	Outdoor Application; Water Proof & Dust Proof	

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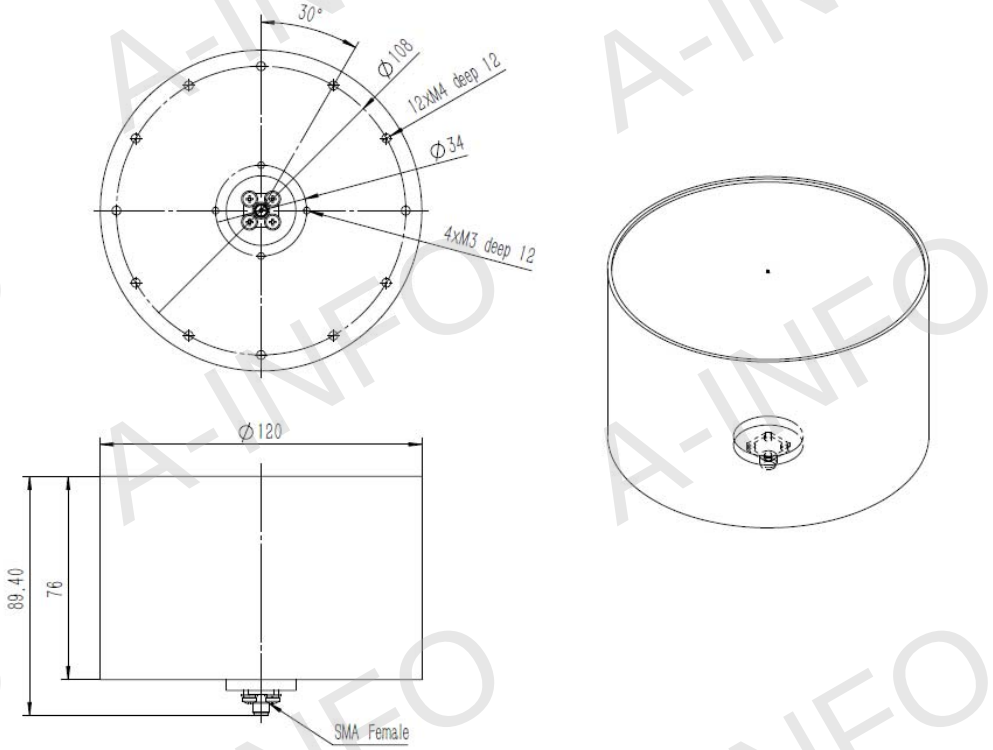
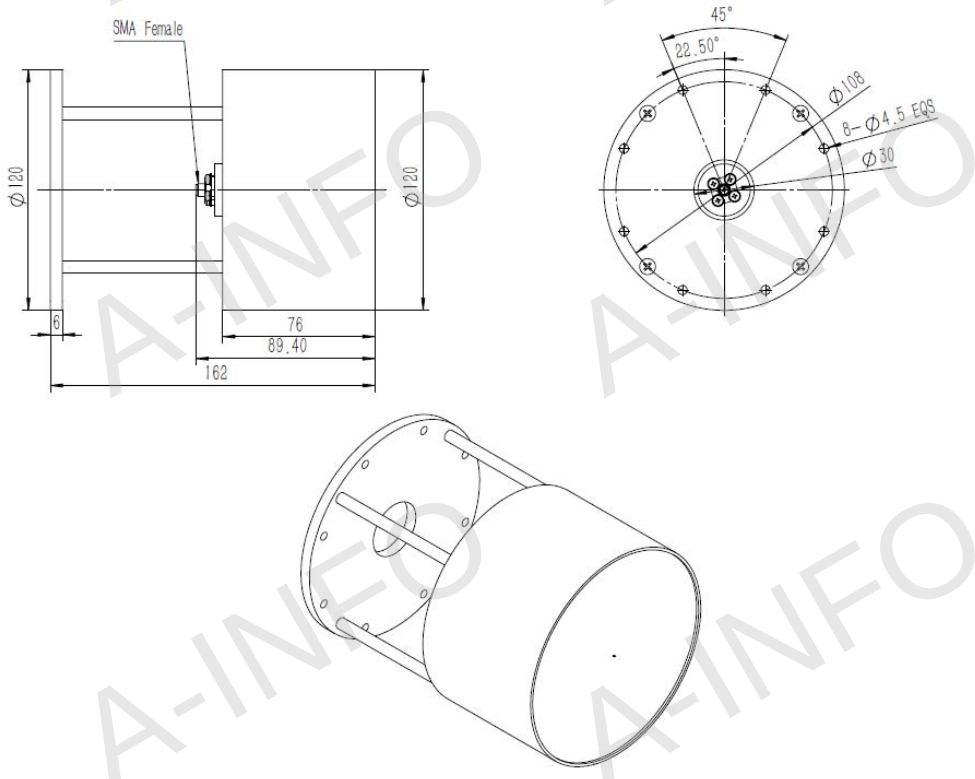
Outline Drawing (Size: mm)

With SMA-Female Output



With SMA-Female Output & Round Mounting Bracket



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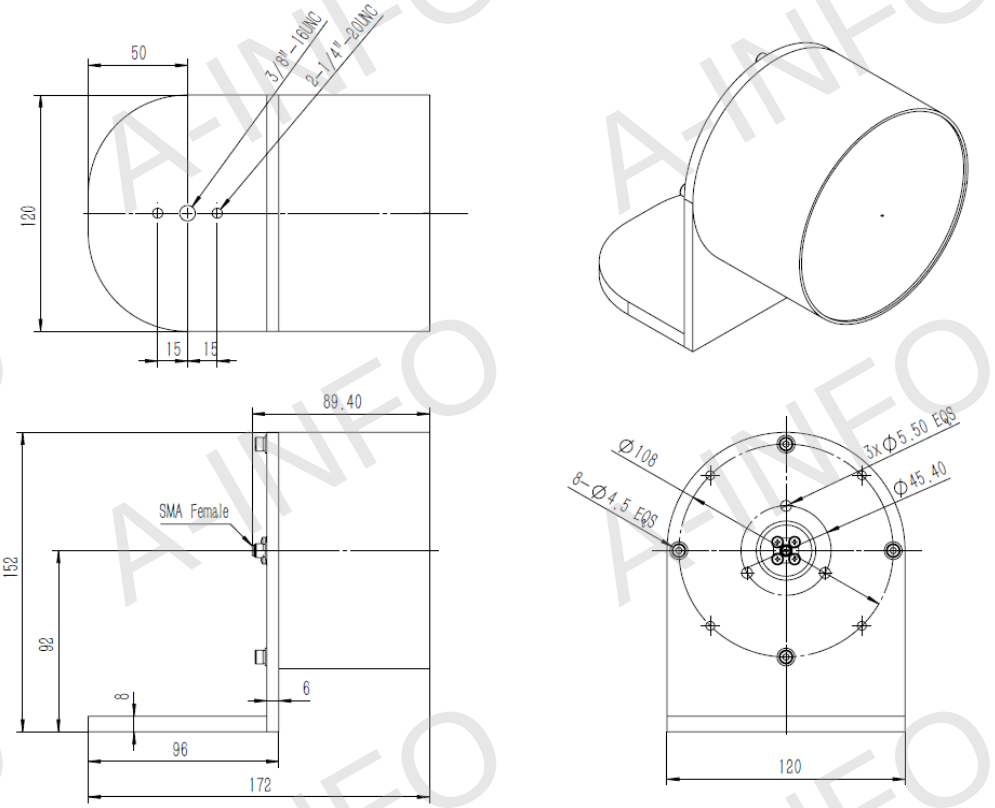
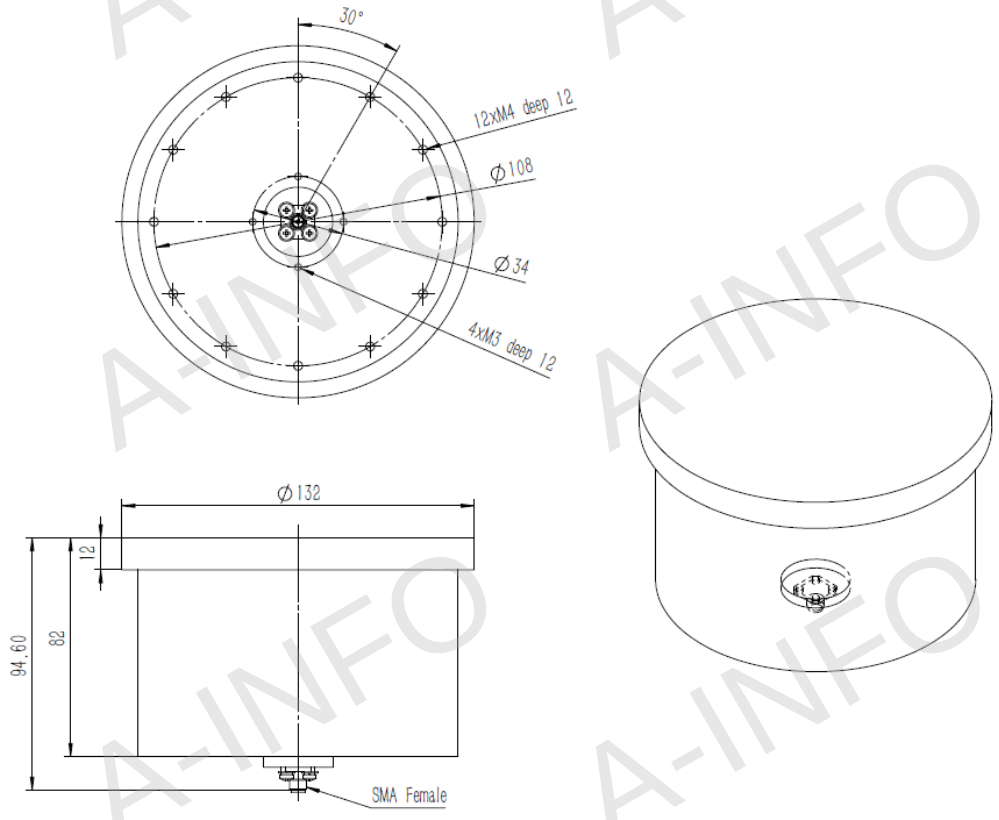
With SMA-Female Output & L Type Mounting Bracket



With SMA-Female Output & Radome



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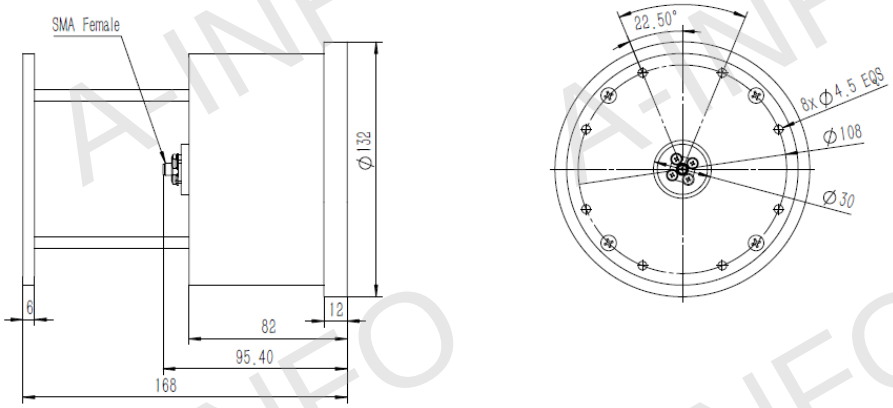
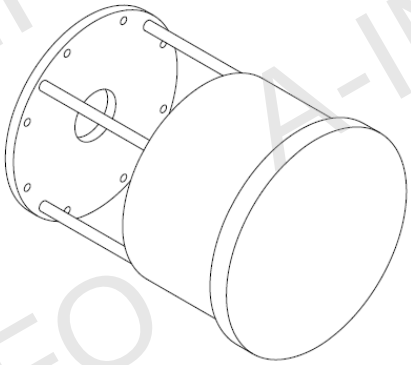
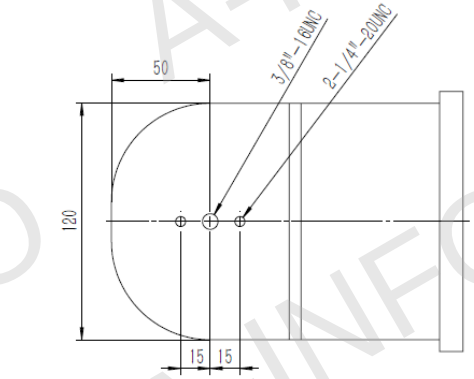
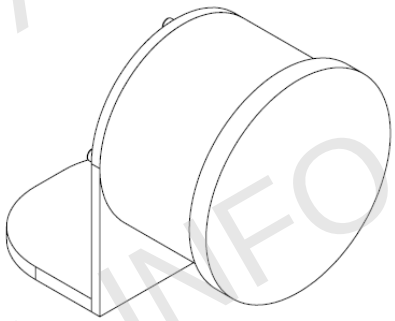
With SMA-Female Output & Round Mounting Bracket & Radome

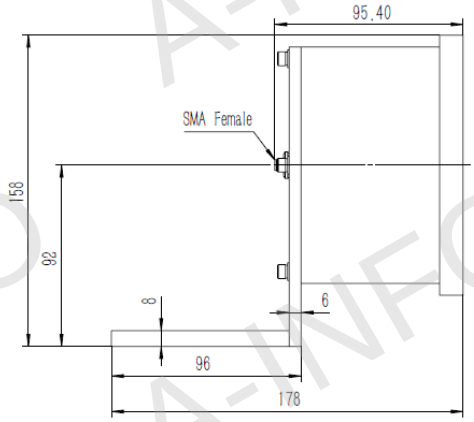


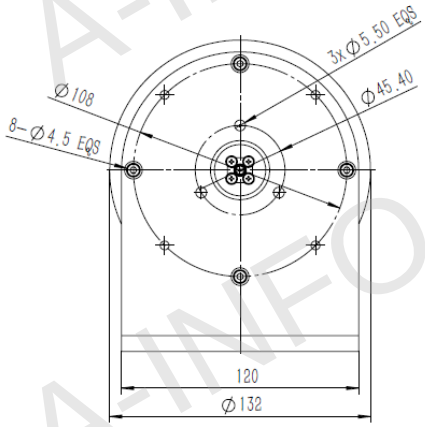


With SMA-Female Output & L Type Mounting Bracket & Radome









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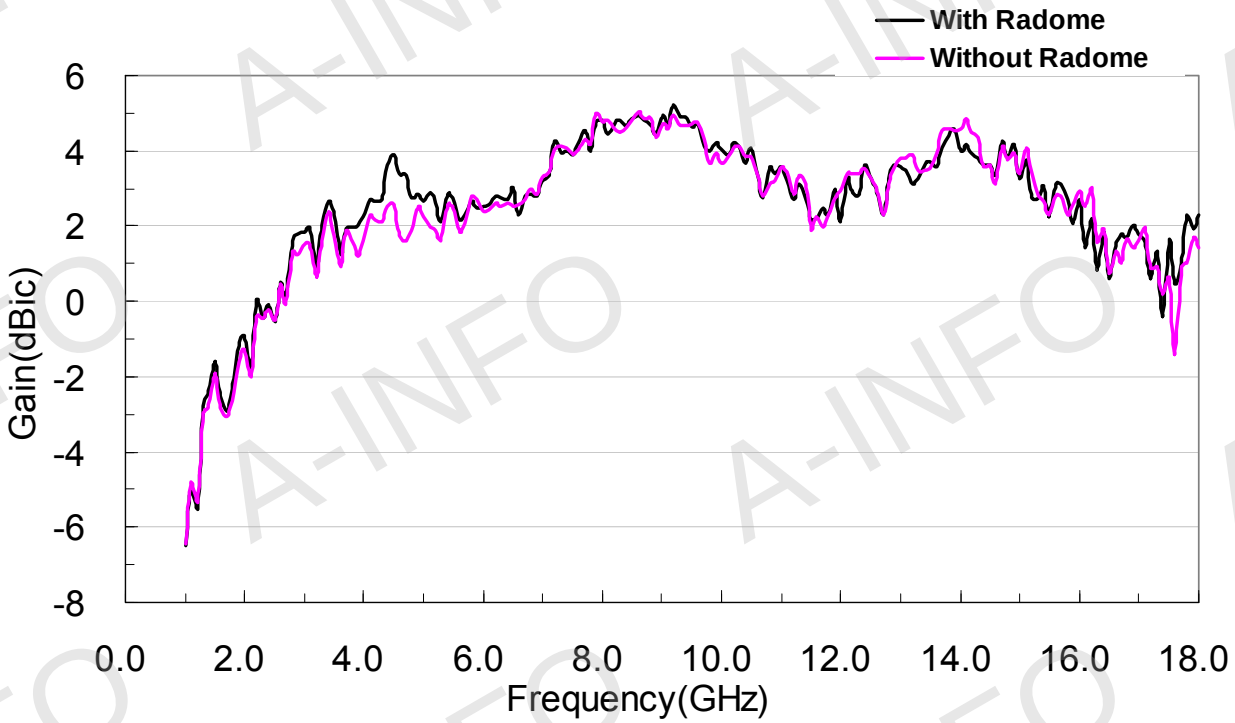
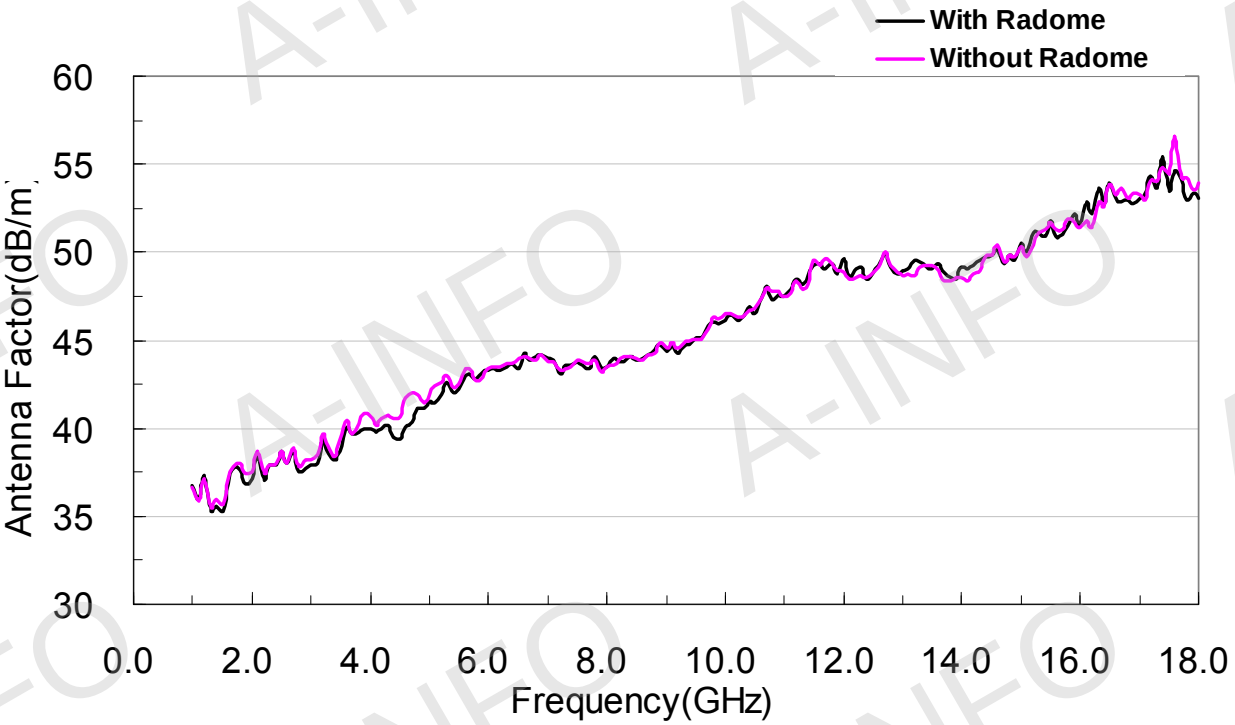
Test Results

1. Gain



2. Antenna Factor



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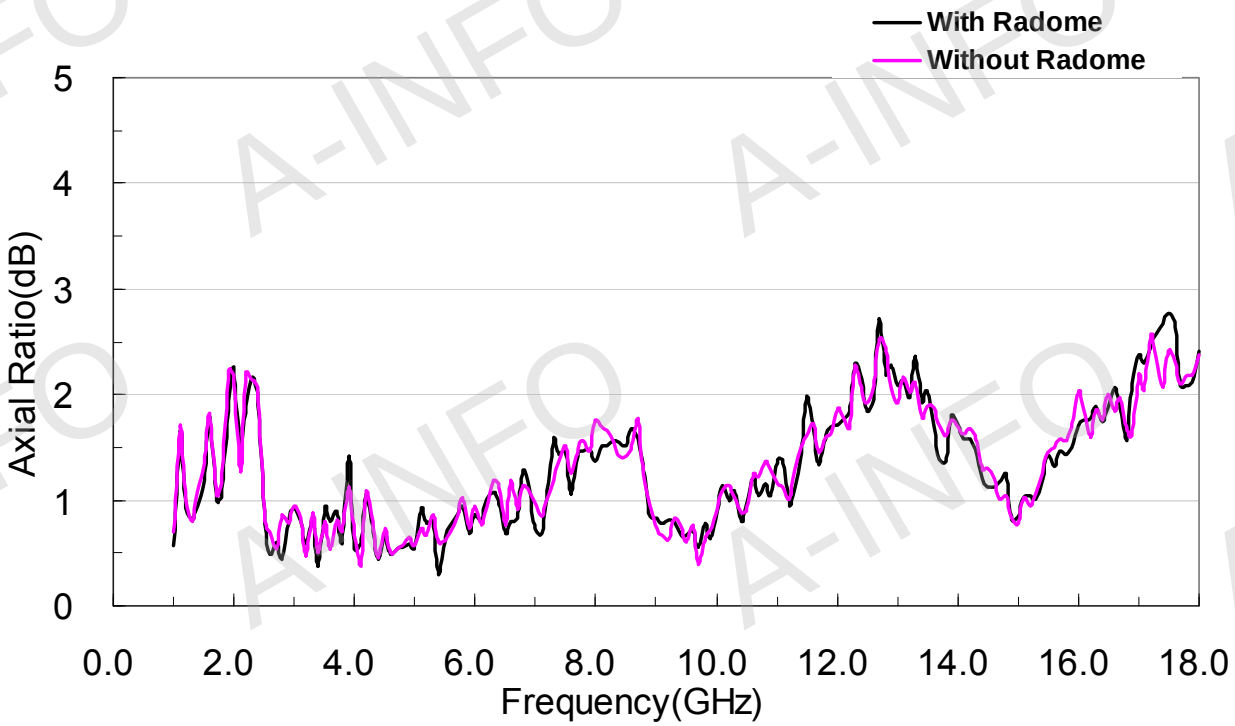
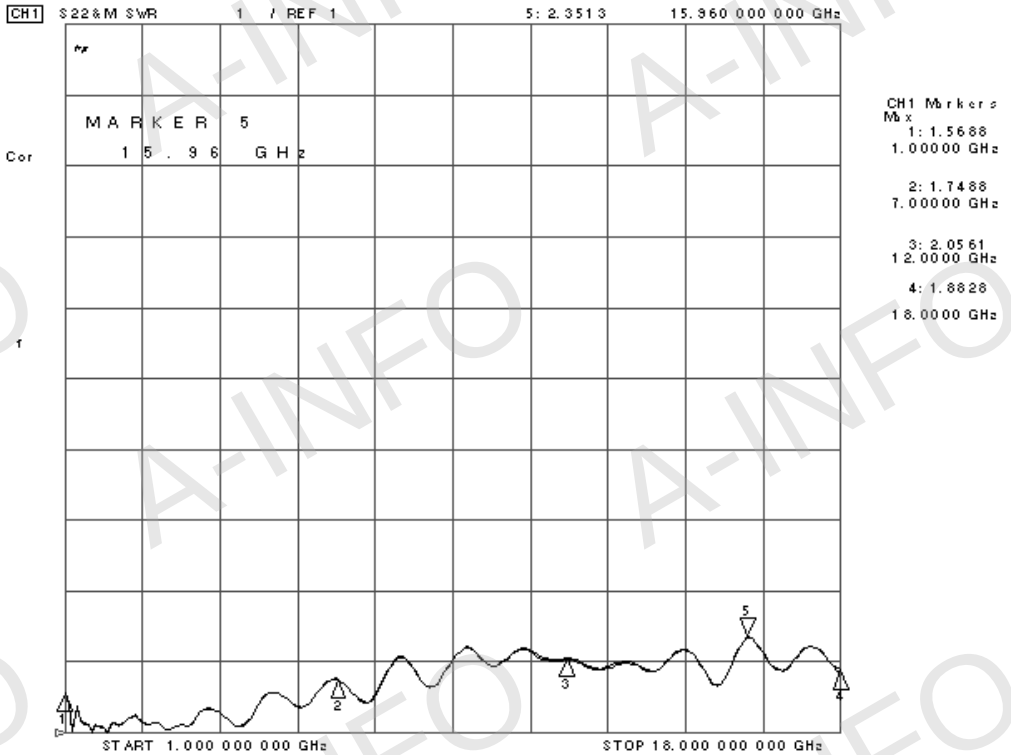
3. Axial Ratio



4. VSWR (DATA: With Radome; MEM: Without Radome)



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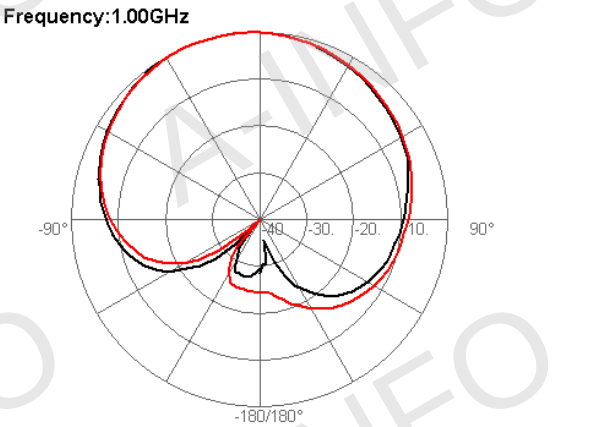
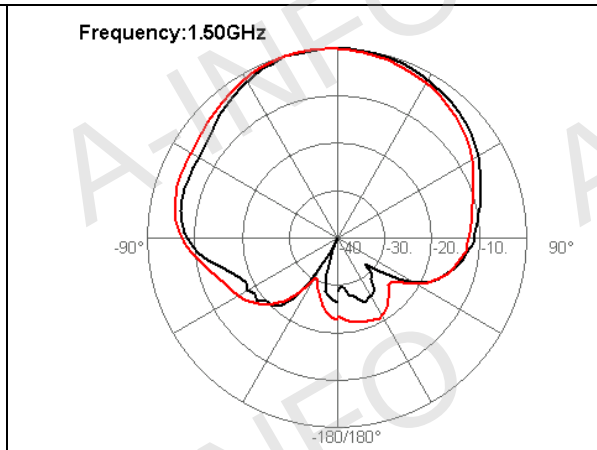
5. Pattern



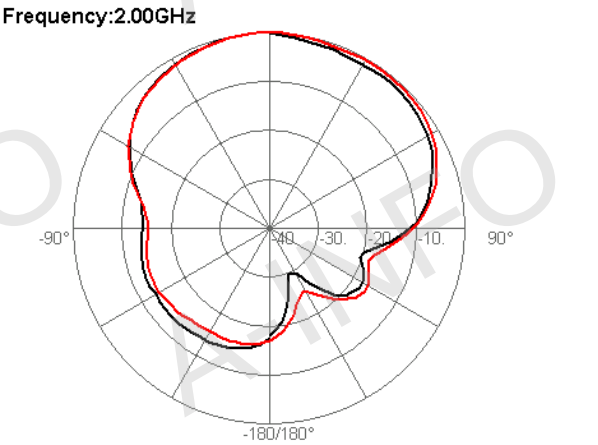
H-Plane
3dB Beamwidth(deg):102.28

E-Plane
3dB Beamwidth(deg):101.63



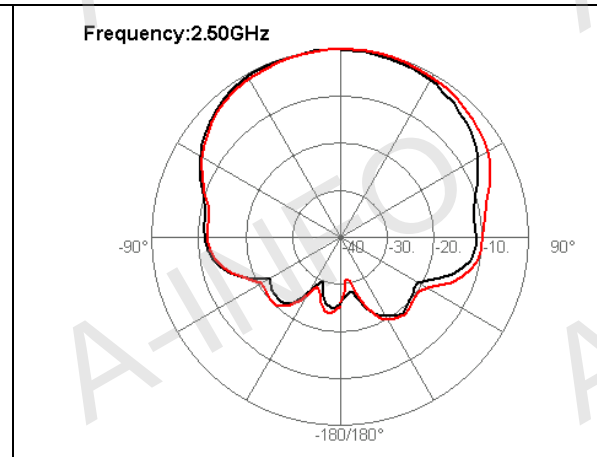
H-Plane
3dB Beamwidth(deg):80.19

E-Plane
3dB Beamwidth(deg):80.10



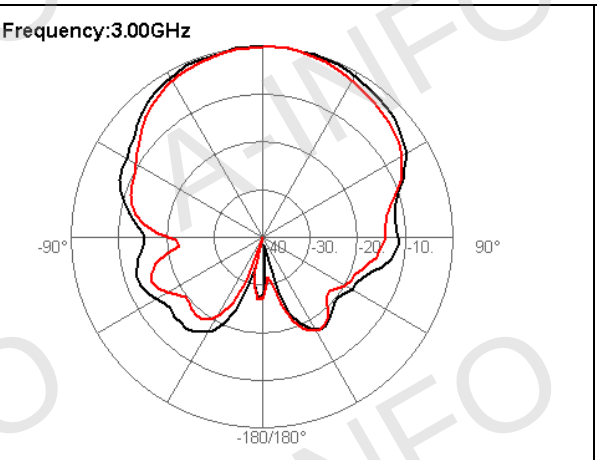
H-Plane
3dB Beamwidth(deg):110.39

E-Plane
3dB Beamwidth(deg):106.72



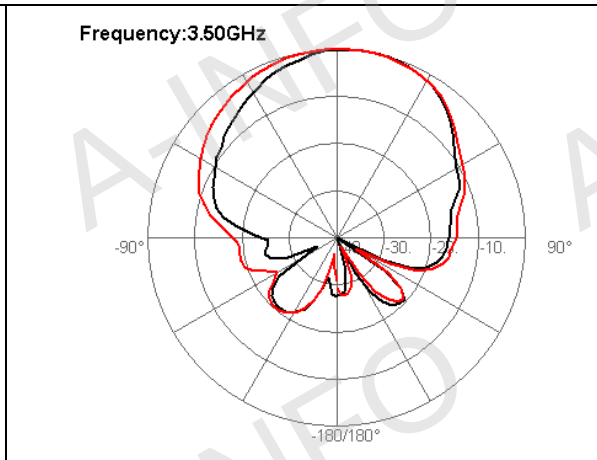
H-Plane
3dB Beamwidth(deg):99.96

E-Plane
3dB Beamwidth(deg):90.15



H-Plane
3dB Beamwidth(deg):71.40

E-Plane
3dB Beamwidth(deg):90.12



H-Plane
3dB Beamwidth(deg):75.89

E-Plane
3dB Beamwidth(deg):59.07

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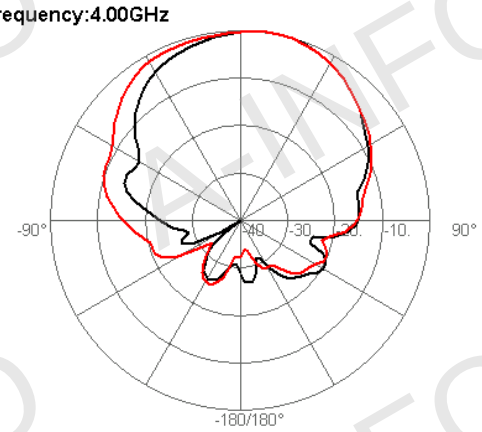
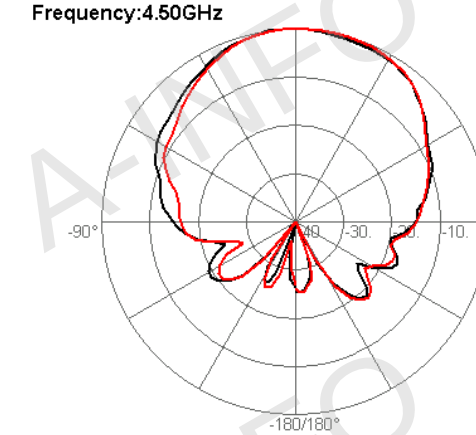


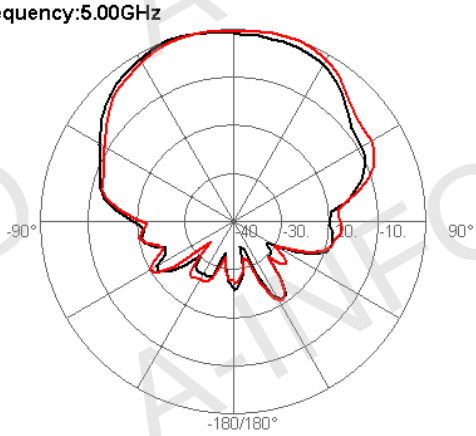
H-Plane
3dB Beamwidth(deg):75.08

E-Plane
3dB Beamwidth(deg):59.78



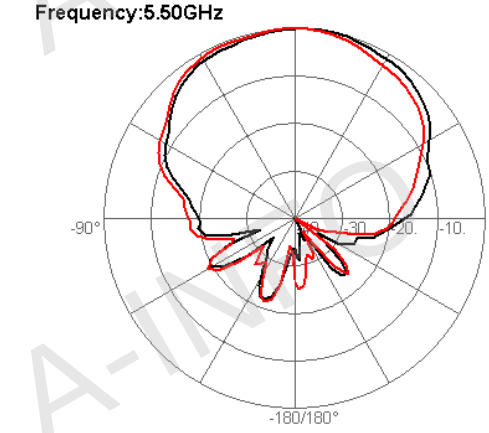
H-Plane
3dB Beamwidth(deg):69.62

E-Plane
3dB Beamwidth(deg):72.38



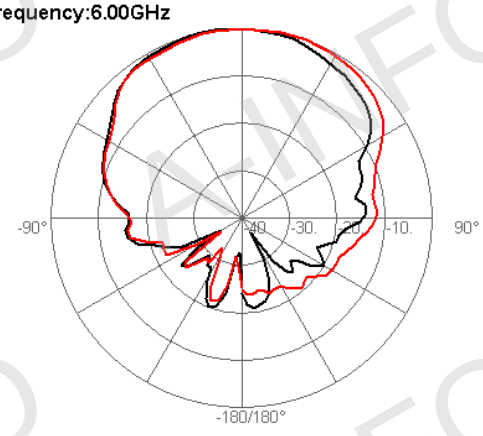
H-Plane
3dB Beamwidth(deg):73.74

E-Plane
3dB Beamwidth(deg):74.83



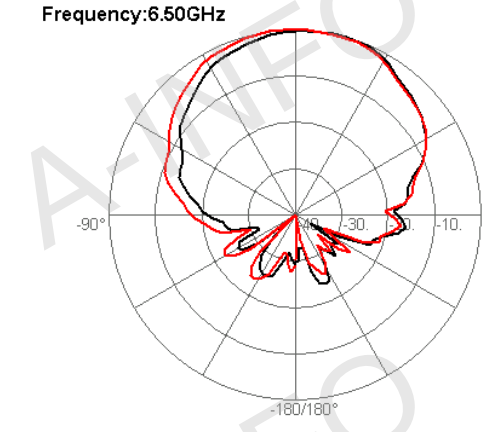
H-Plane
3dB Beamwidth(deg):74.33

E-Plane
3dB Beamwidth(deg):83.55



H-Plane
3dB Beamwidth(deg):95.57

E-Plane
3dB Beamwidth(deg):80.40



H-Plane
3dB Beamwidth(deg):71.55

E-Plane
3dB Beamwidth(deg):63.48

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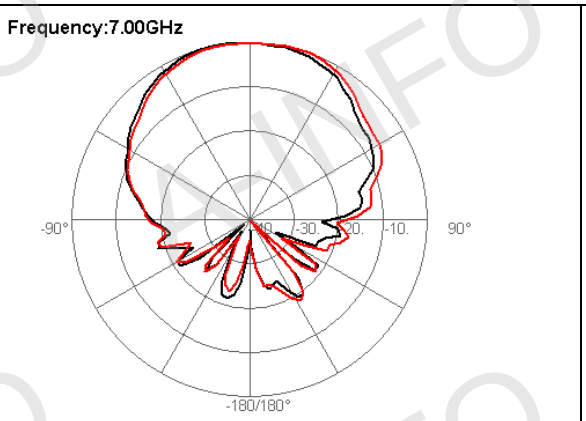
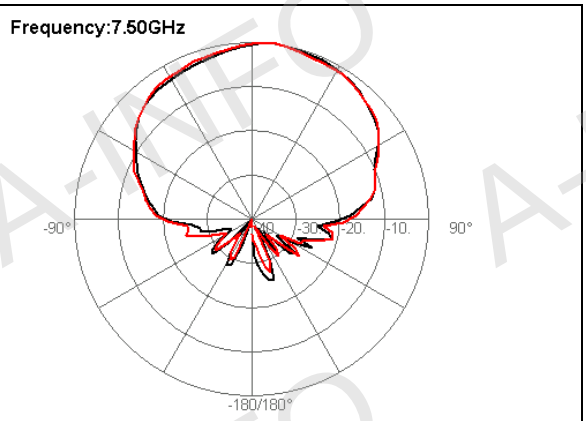


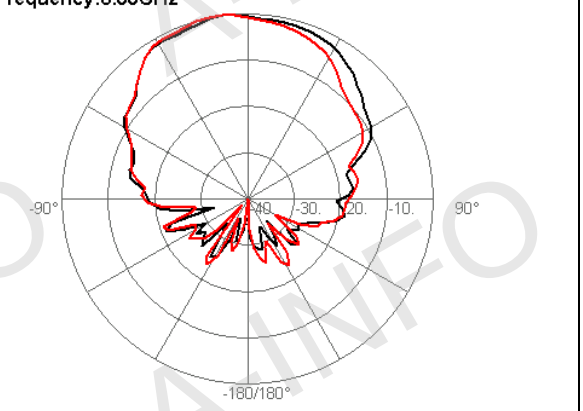
H-Plane
3dB Beamwidth(deg):73.36

E-Plane
3dB Beamwidth(deg):71.71



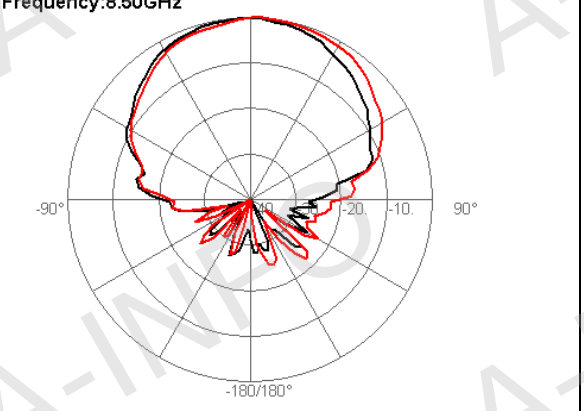
H-Plane
3dB Beamwidth(deg):76.24

E-Plane
3dB Beamwidth(deg):66.86



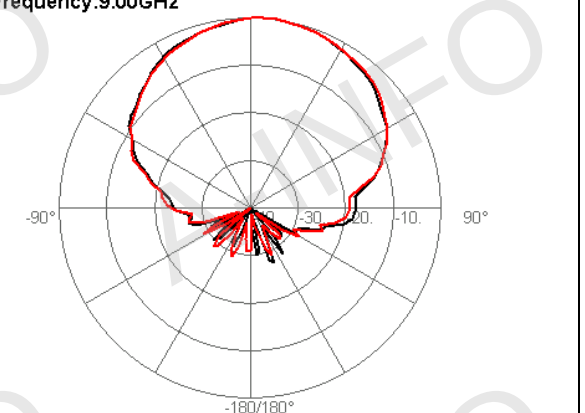
H-Plane
3dB Beamwidth(deg):58.93

E-Plane
3dB Beamwidth(deg):70.35



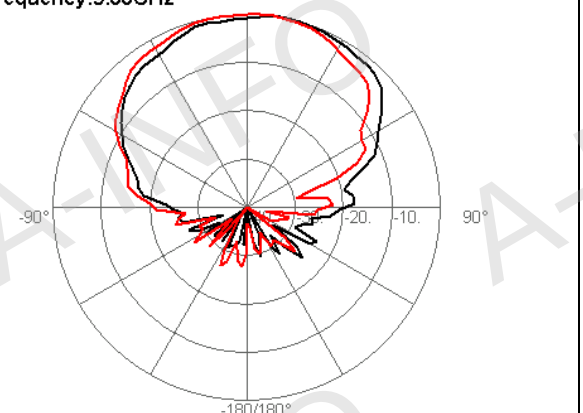
H-Plane
3dB Beamwidth(deg):74.11

E-Plane
3dB Beamwidth(deg):61.87



H-Plane
3dB Beamwidth(deg):68.61

E-Plane
3dB Beamwidth(deg):66.26



H-Plane
3dB Beamwidth(deg):73.50

E-Plane
3dB Beamwidth(deg):74.74

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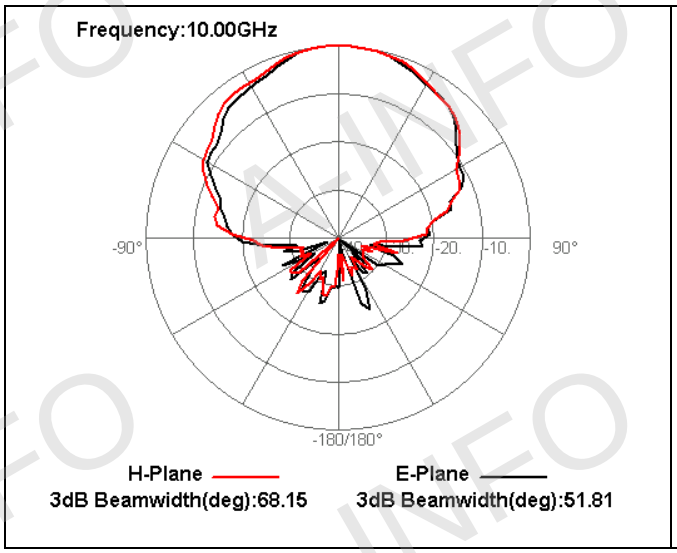
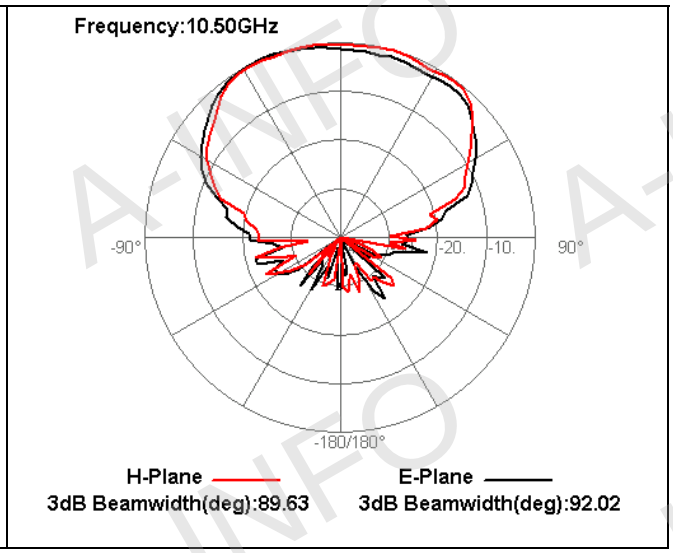
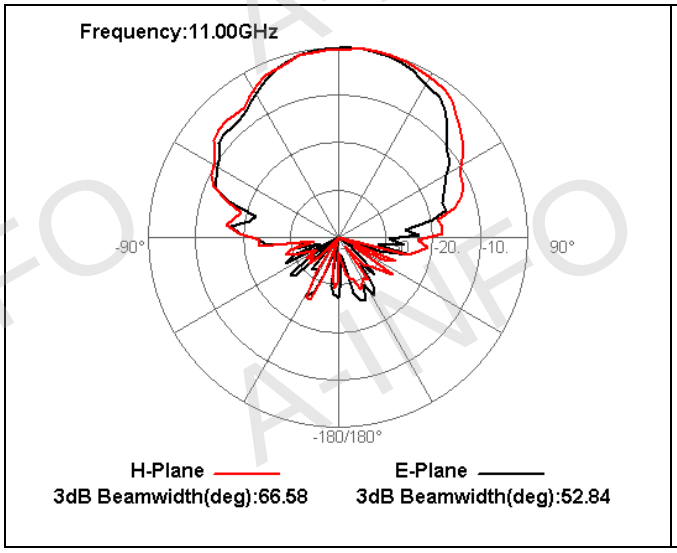


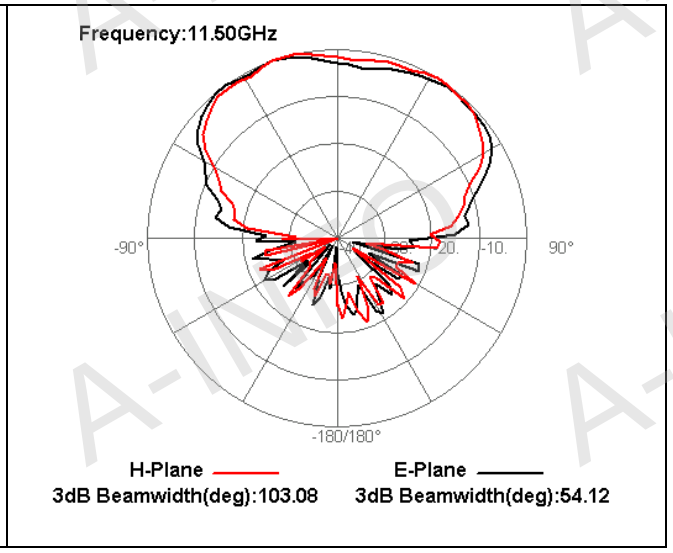
3dB Beamwidth(deg):68.15 3dB Beamwidth(deg):51.81



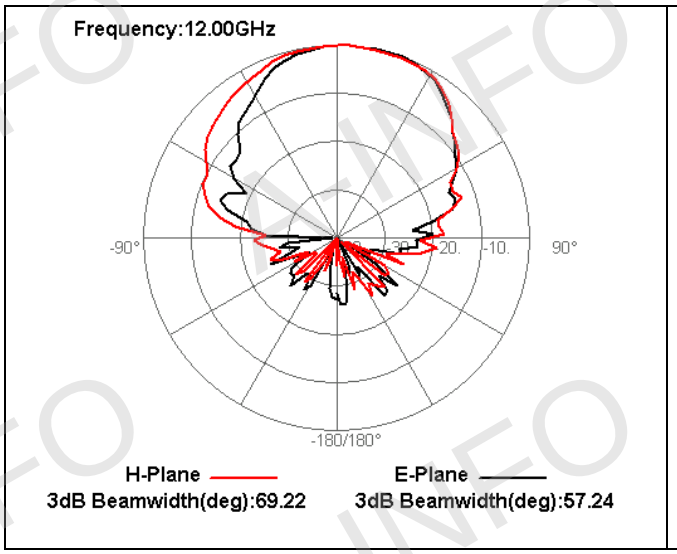
3dB Beamwidth(deg):89.63 3dB Beamwidth(deg):92.02



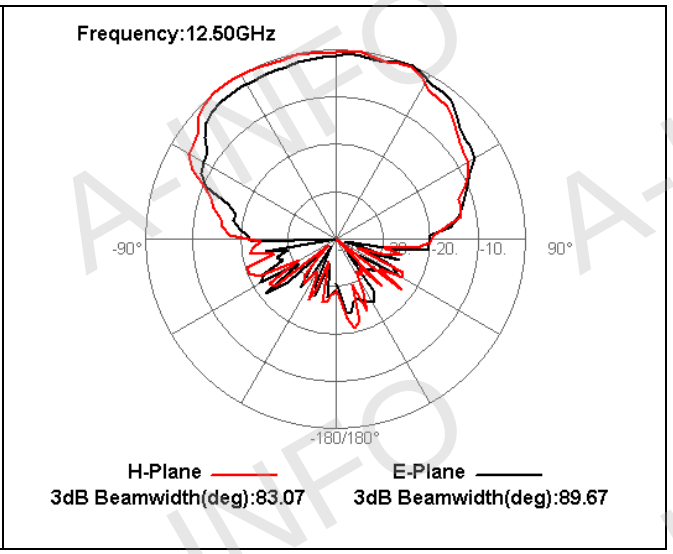
3dB Beamwidth(deg):66.58 3dB Beamwidth(deg):52.84



3dB Beamwidth(deg):103.08 3dB Beamwidth(deg):54.12



3dB Beamwidth(deg):69.22 3dB Beamwidth(deg):57.24



3dB Beamwidth(deg):83.07 3dB Beamwidth(deg):89.67

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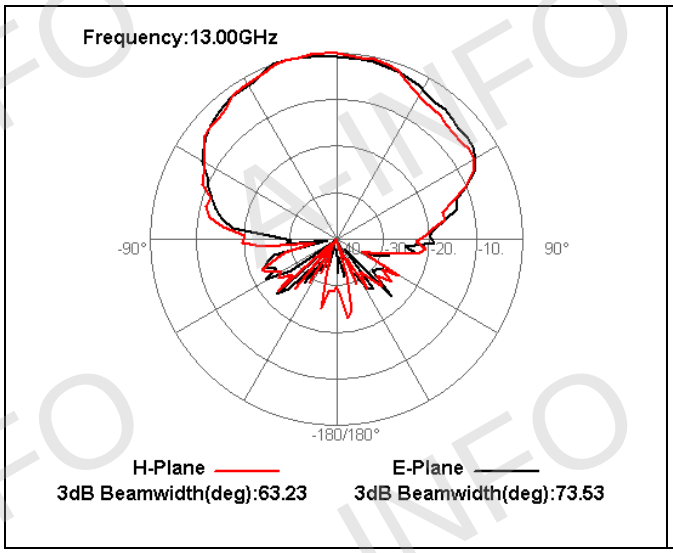
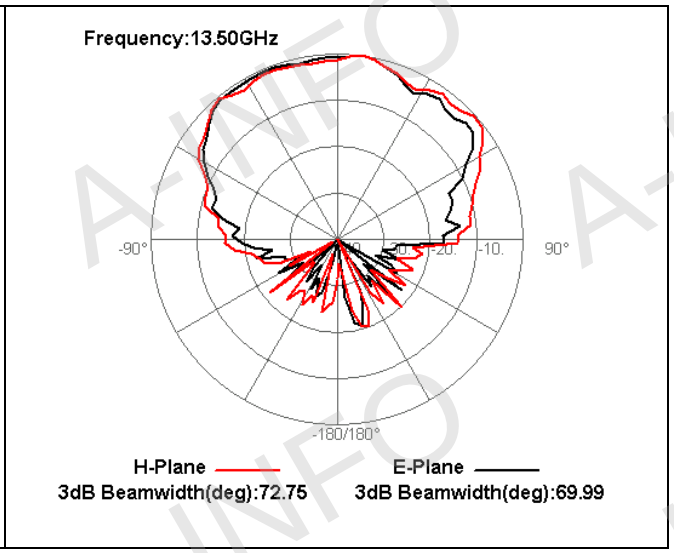
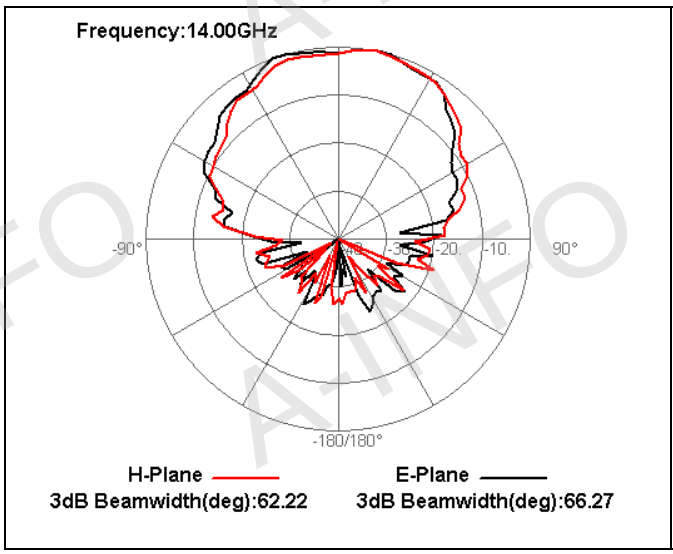


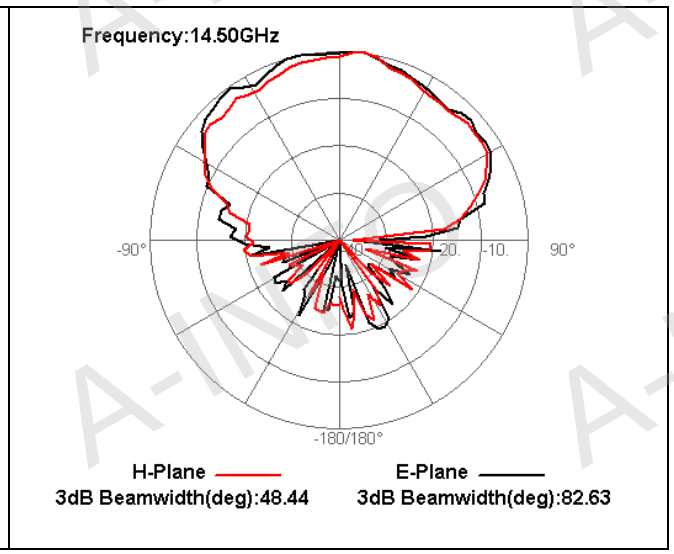
3dB Beamwidth(deg):63.23 3dB Beamwidth(deg):73.53



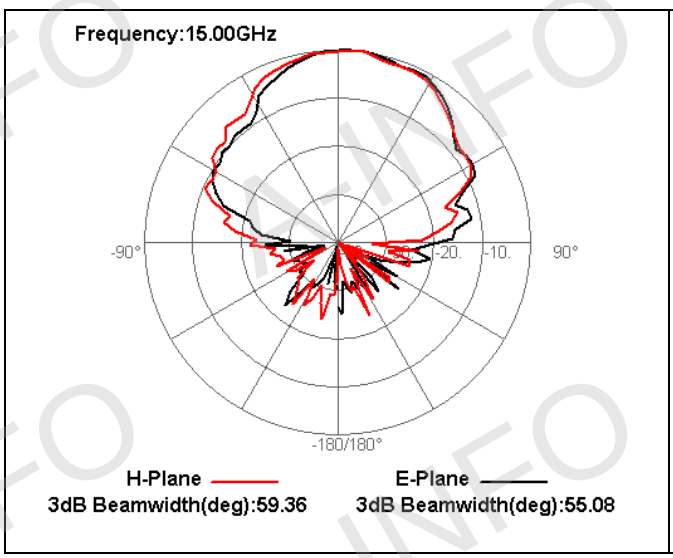
3dB Beamwidth(deg):72.75 3dB Beamwidth(deg):69.99



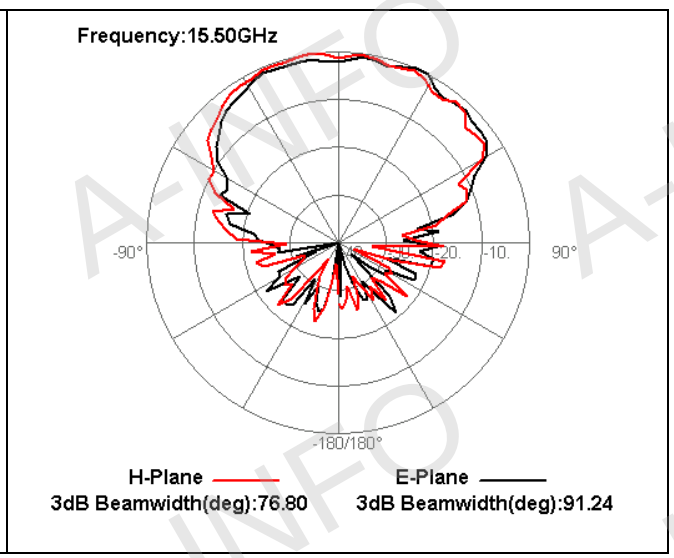
3dB Beamwidth(deg):62.22 3dB Beamwidth(deg):66.27



3dB Beamwidth(deg):48.44 3dB Beamwidth(deg):82.63



3dB Beamwidth(deg):59.36 3dB Beamwidth(deg):55.08



3dB Beamwidth(deg):76.80 3dB Beamwidth(deg):91.24

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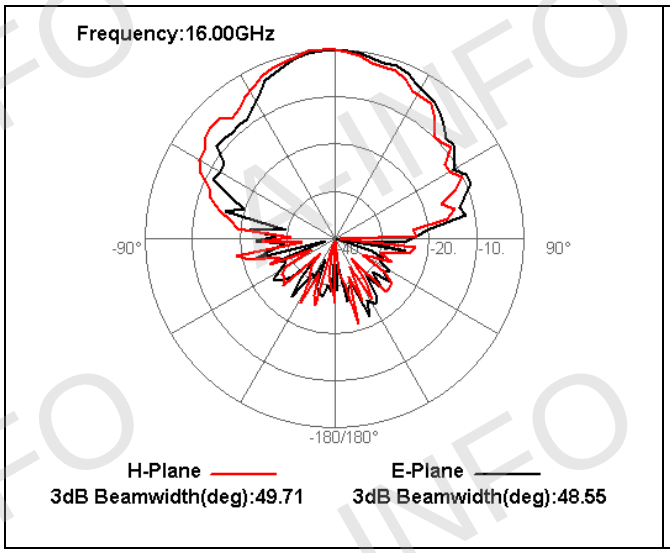

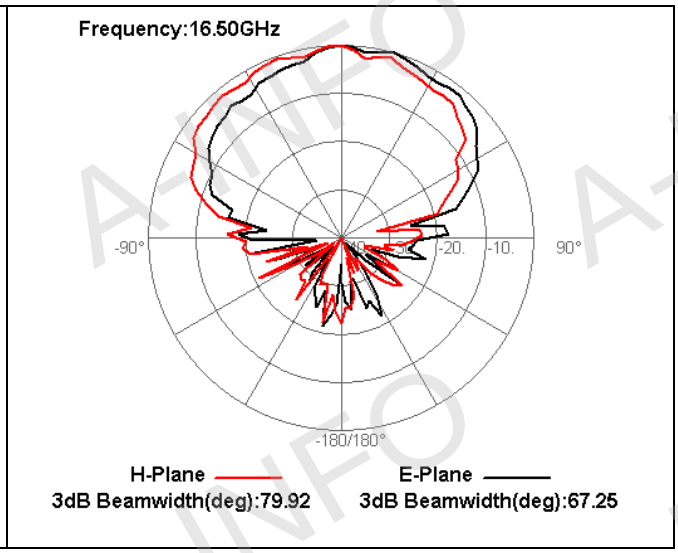

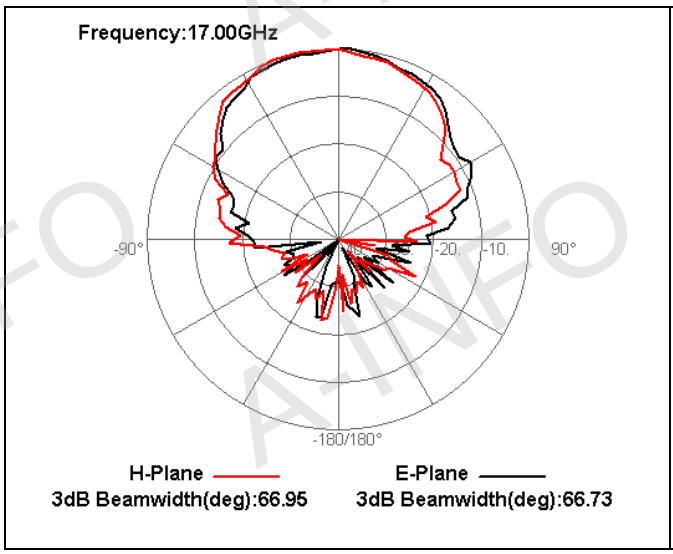

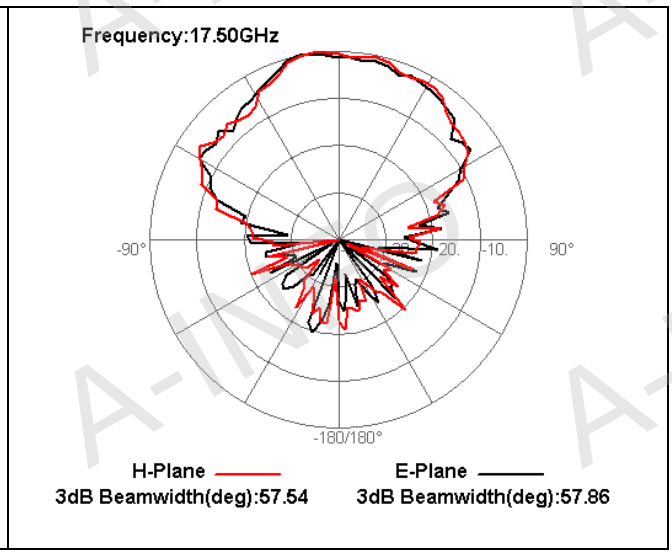

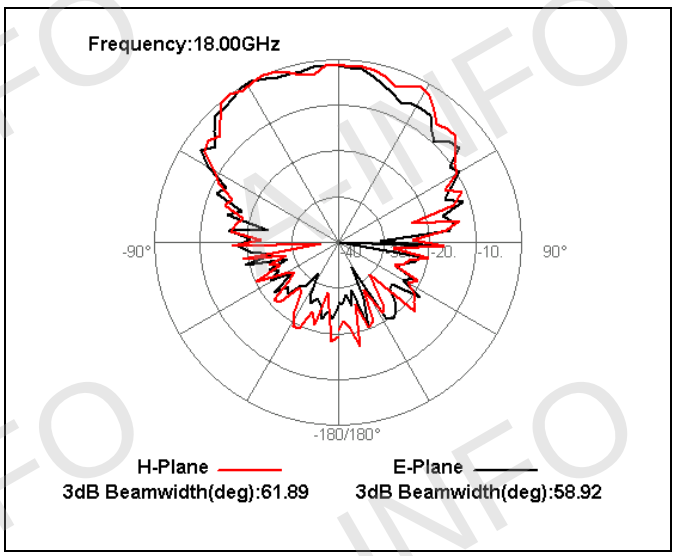

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