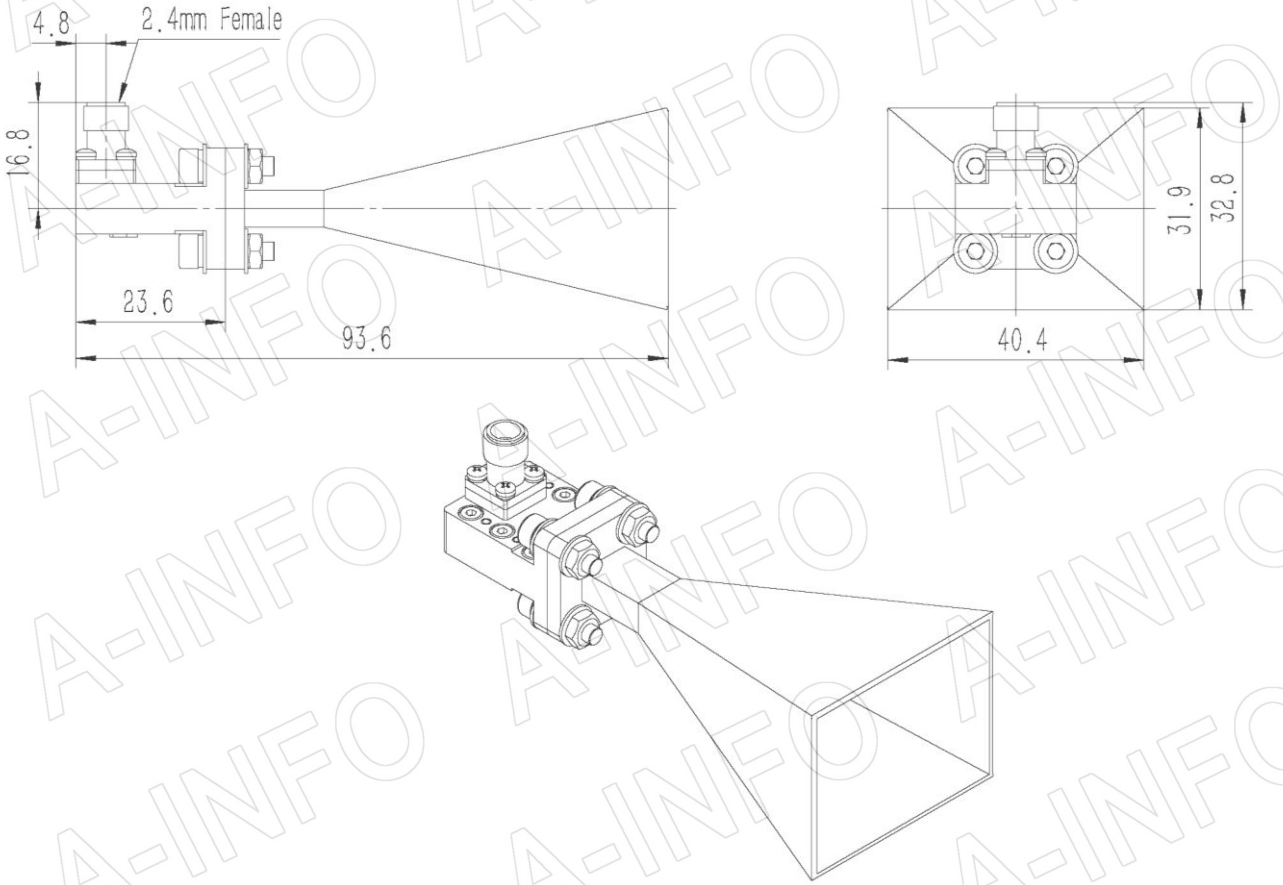
Technical Specification

Frequency Range(GHz)	24.0 - 50.0
Waveguide	WR28
Gain(dBi)	20 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 14 Typ.
	H Plane: 15 Typ.
Cross Pol. Isolation(dB)	35 Typ.
VSWR	1.40:1 Typ.
Output	2.4mm-Female
Material	Cu
Size(mm)	40.4 x 32.8 x 93.6
Net Weight(Kg)	0.09 Around

Outline Drawing (Size: mm)

2.4mm-Female Output (P/N: LB-28-20-68-C-2.4F)



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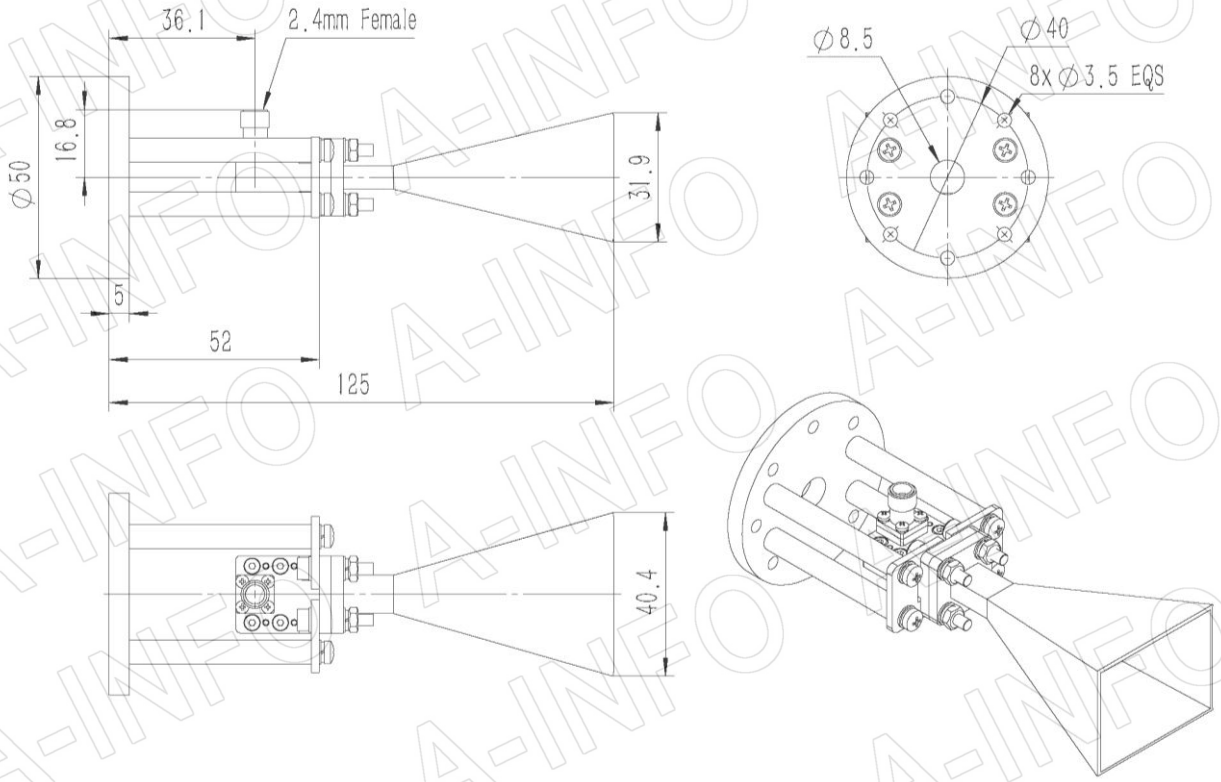
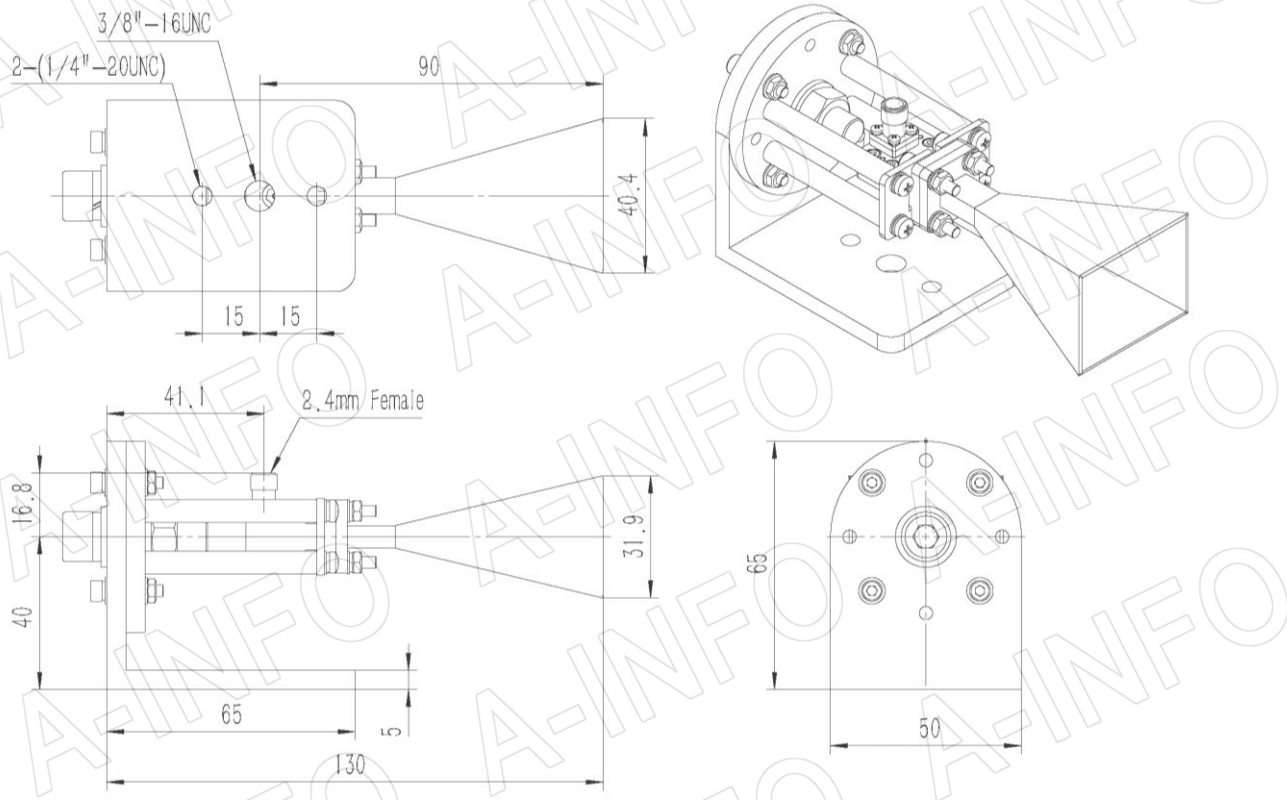
2.4mm-Female Output with Round Mounting Bracket (Option, P/N: LB-28-10-C-MB)



2.4mm-Female Output with L Type Mounting Bracket (Option, P/N: LB-28-10-C-MBL)



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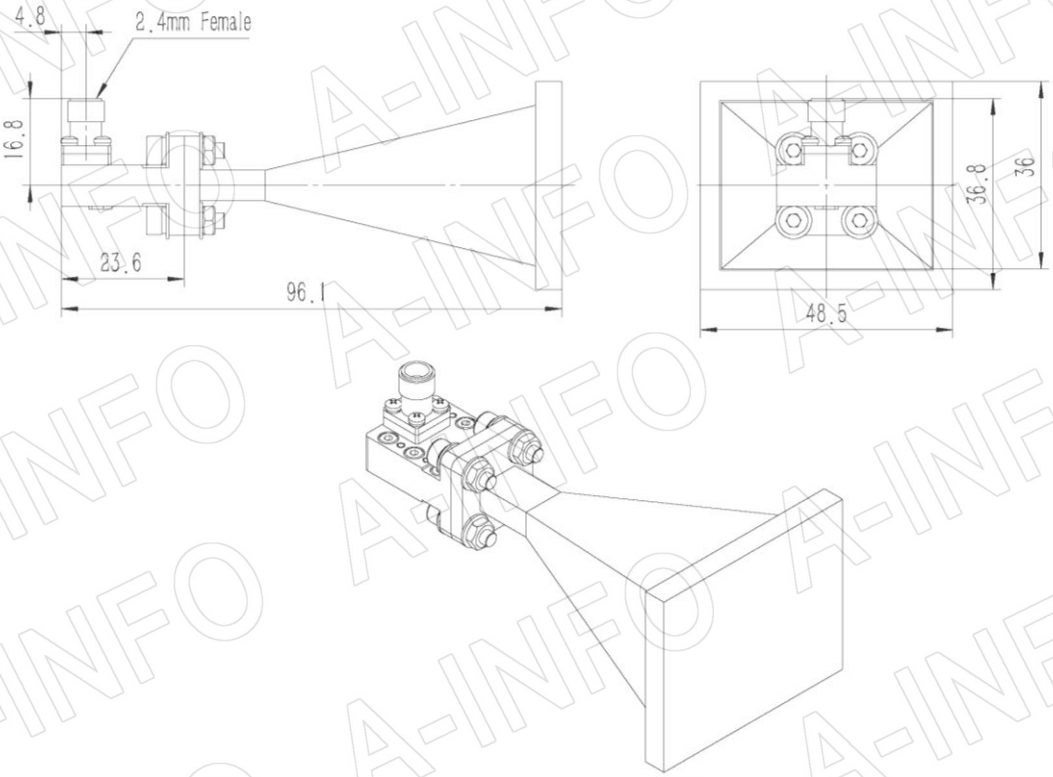
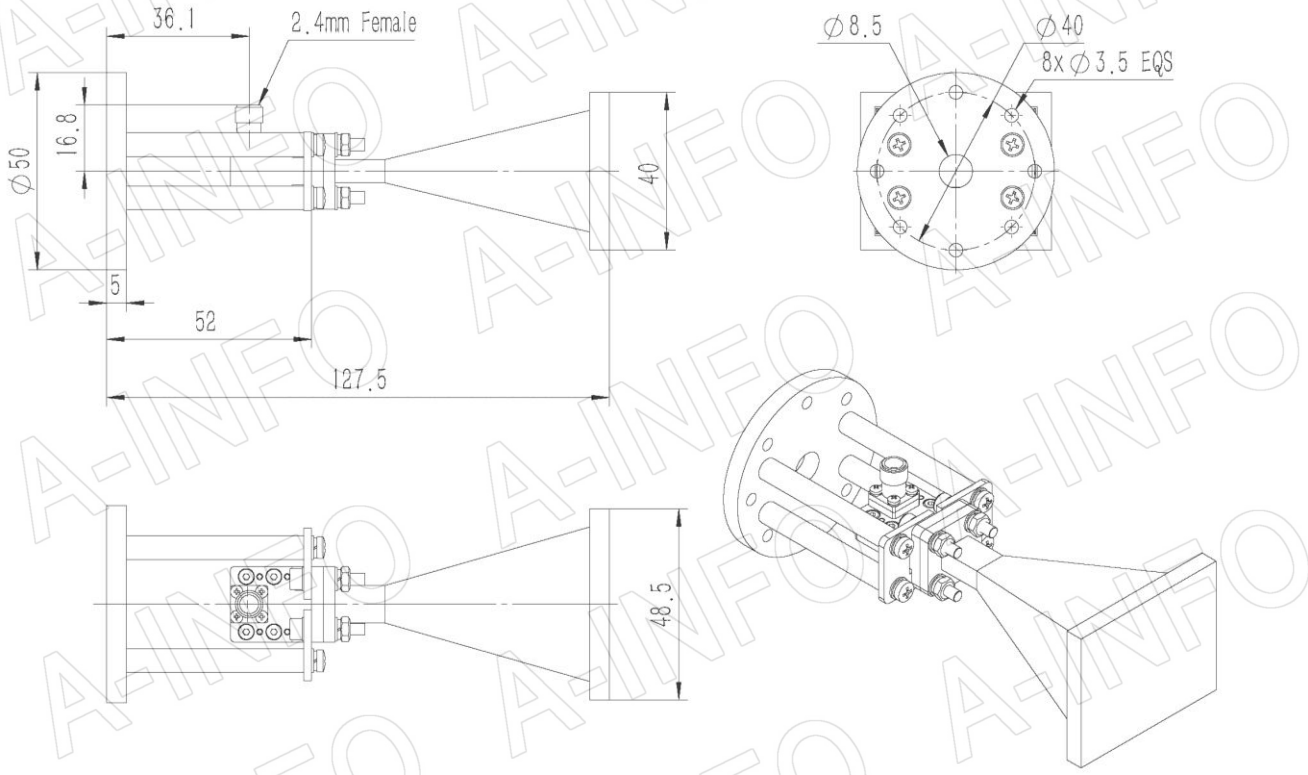
2.4mm-Female Output with Radome (Option, P/N: LB-28-20-68-C-2.4FSPO, Outdoor Application)



2.4mm-Female Output with Round Mounting Bracket & Radome (Option, P/N: LB-28-10-C-MB & LB-28-20-68-C-2.4FSPO, Outdoor Application)



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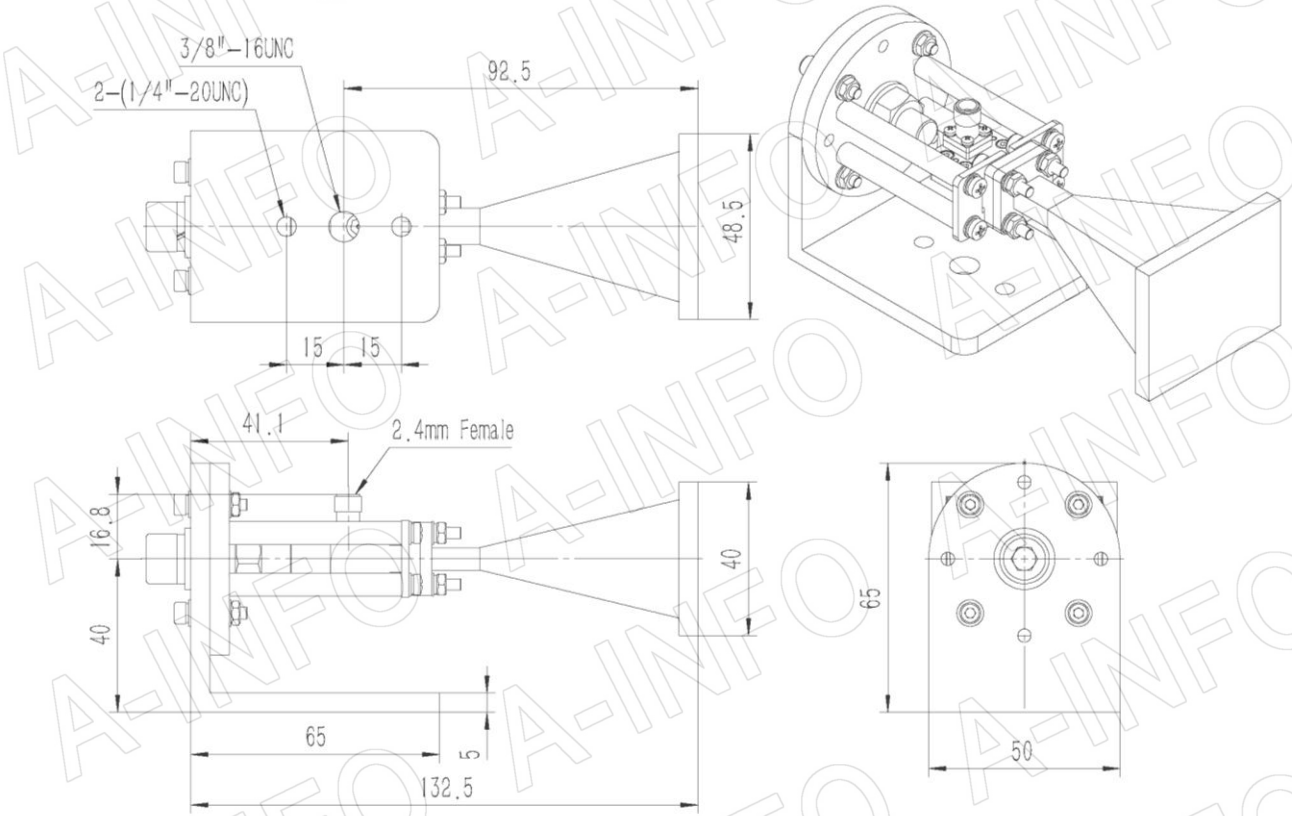
2.4mm-Female Output with L Type Mounting Bracket & Radome (Option, P/N: LB-28-10-C-MBL & LB-28-20-68-C-2.4FSPO, Outdoor Application)



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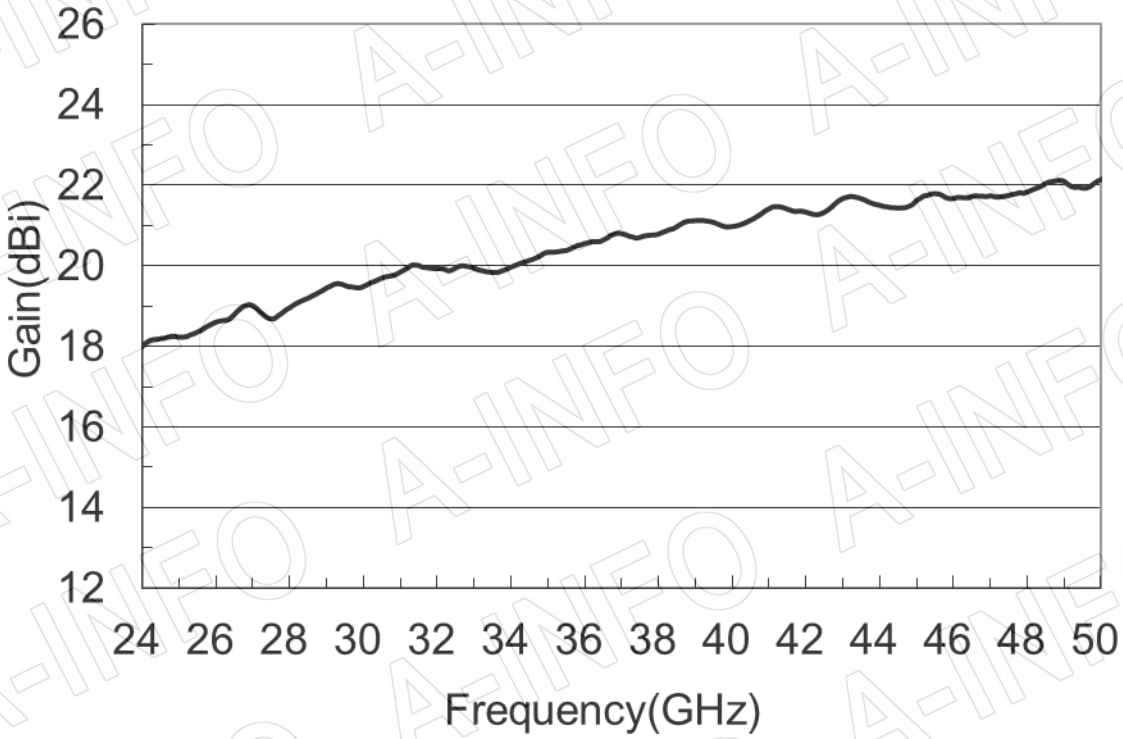
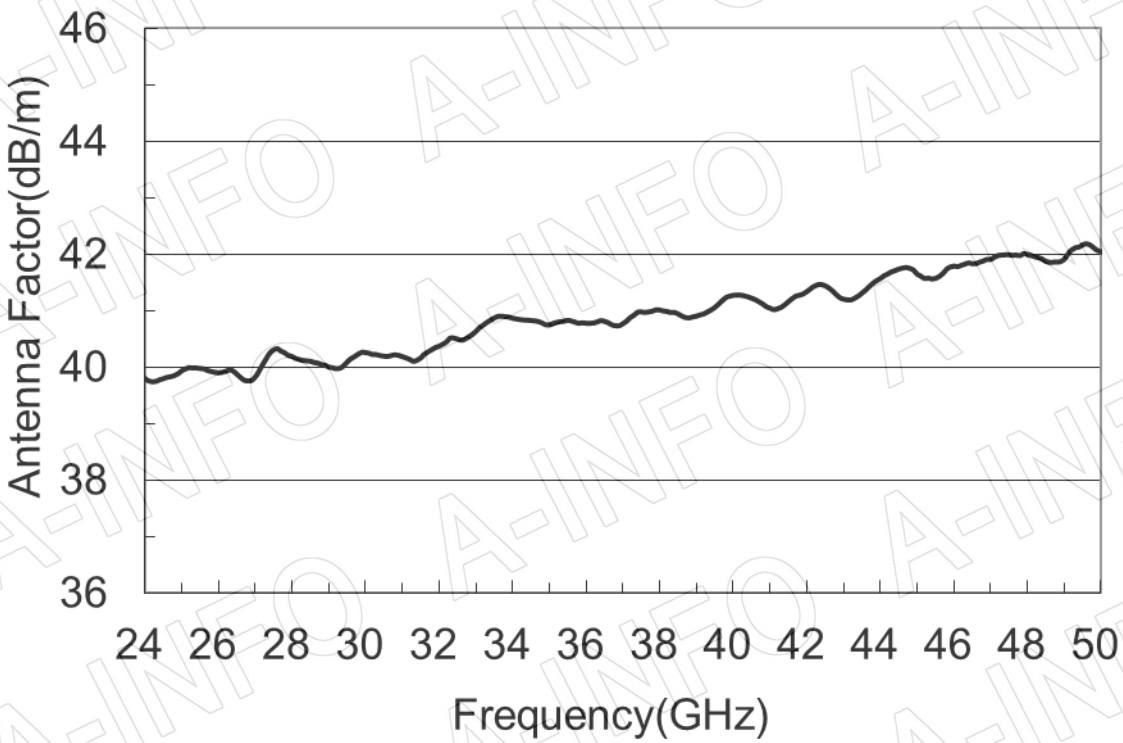
Test Results

1. Gain & Antenna Factor





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Frequency(GHz)	Gain(dBi)	Antenna Factor(dB/m)
24	18.01	39.80
25	18.23	39.94
26	18.61	39.90
27	19.01	39.83
28	18.96	40.19
29	19.46	40.00
30	19.49	40.26
31	19.85	40.19
32	19.94	40.37
33	19.95	40.63
34	19.97	40.87
35	20.34	40.75
36	20.56	40.78
37	20.80	40.77
38	20.79	41.01
39	21.13	40.90
40	20.98	41.27
41	21.42	41.05
42	21.34	41.34
43	21.67	41.21
44	21.51	41.57
45	21.63	41.65
46	21.67	41.79
47	21.74	41.91
48	21.84	41.99
49	22.10	41.91
50	22.14	42.05

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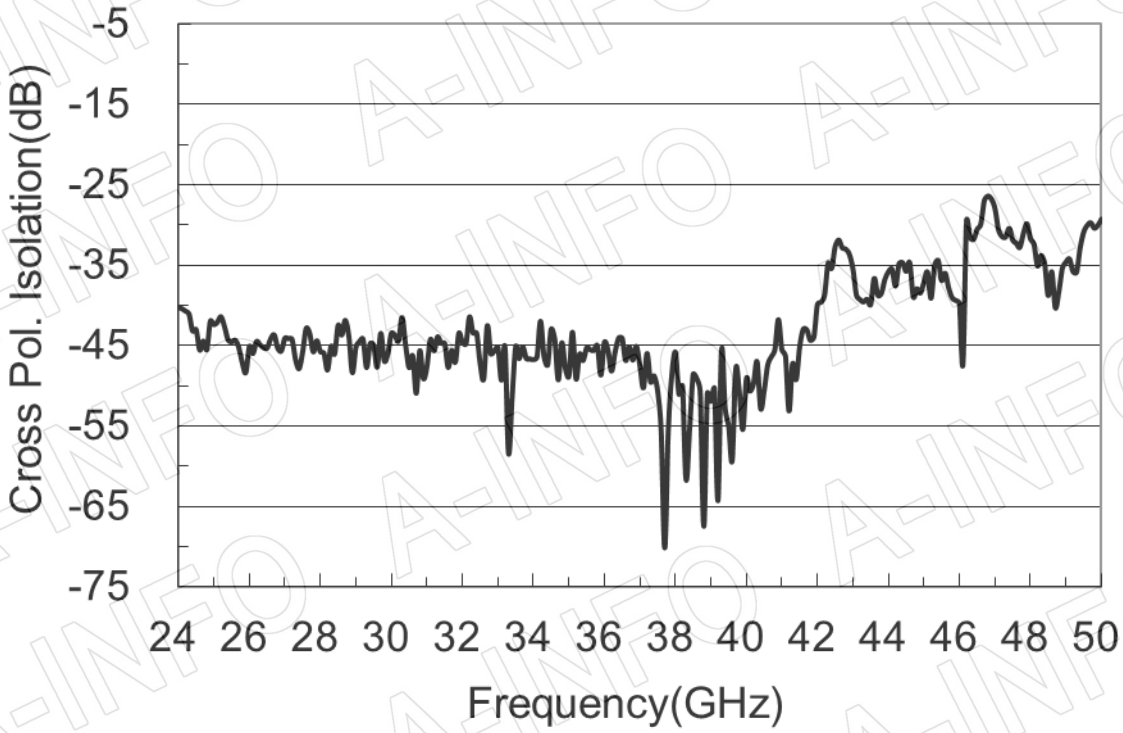
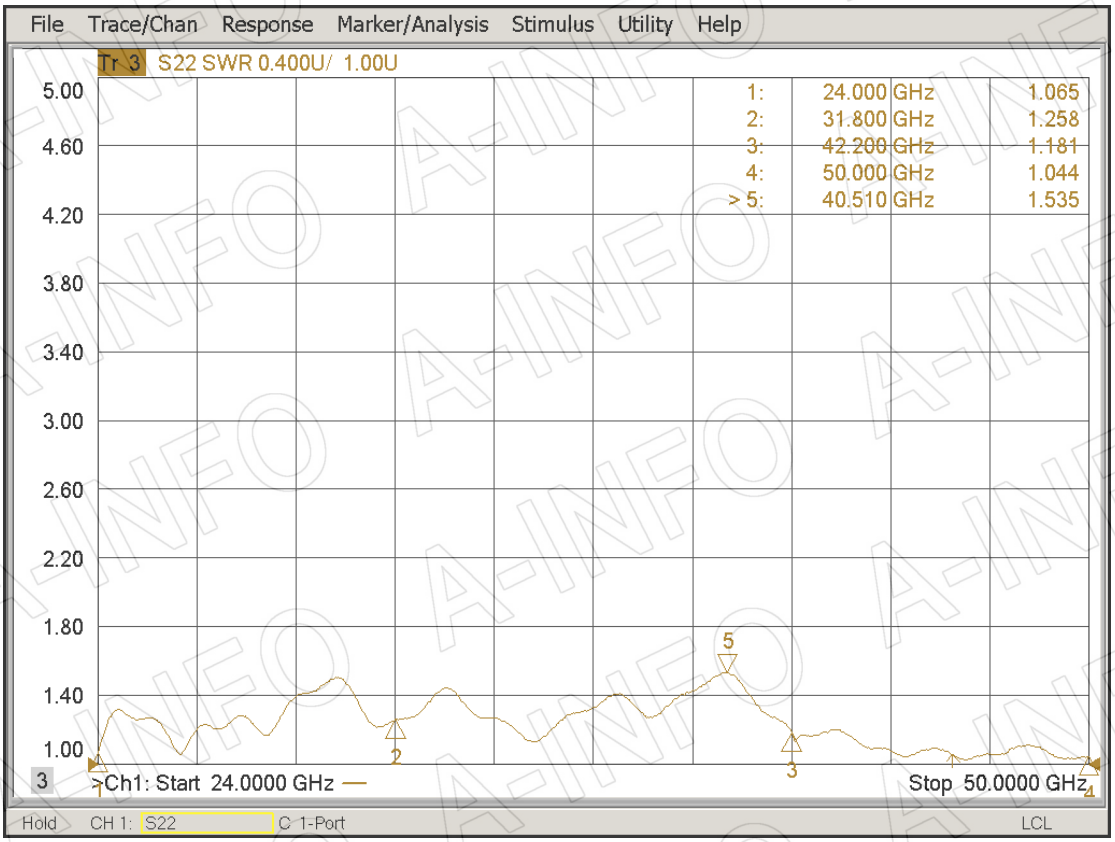
2. Cross Polarization Isolation



3. VSWR



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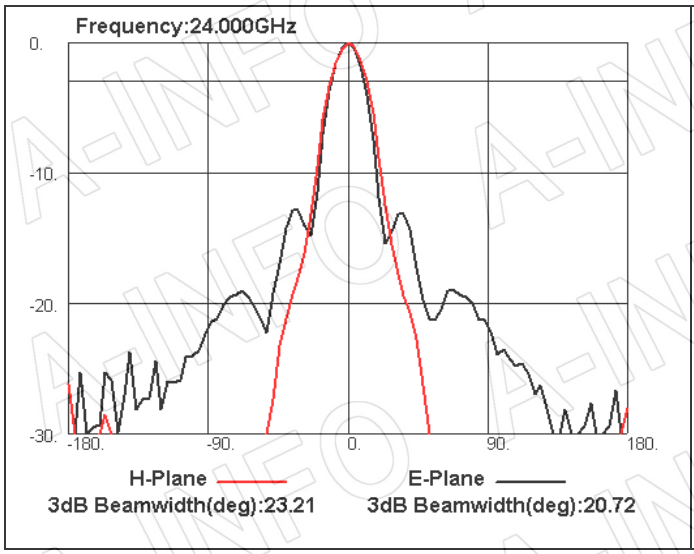
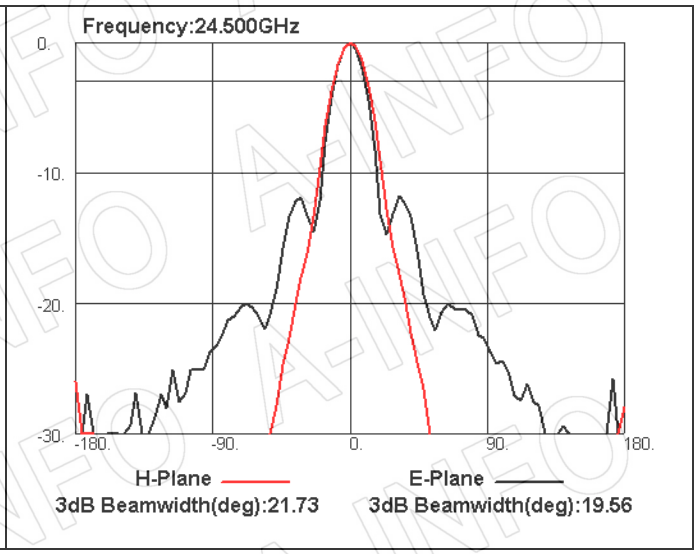
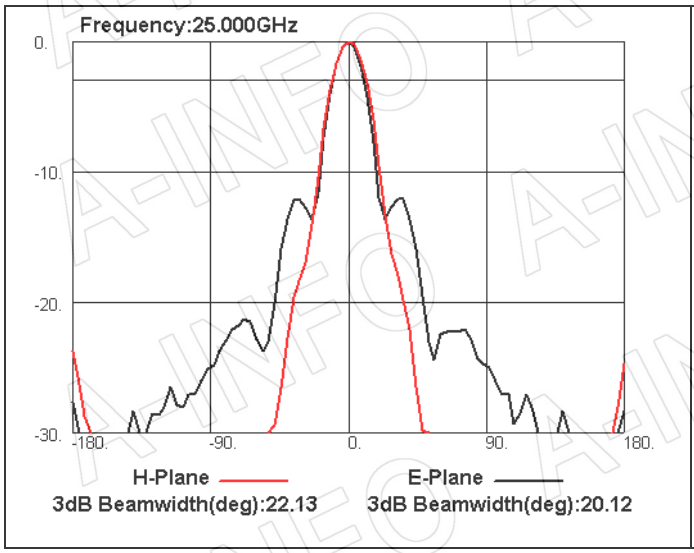
4. Pattern



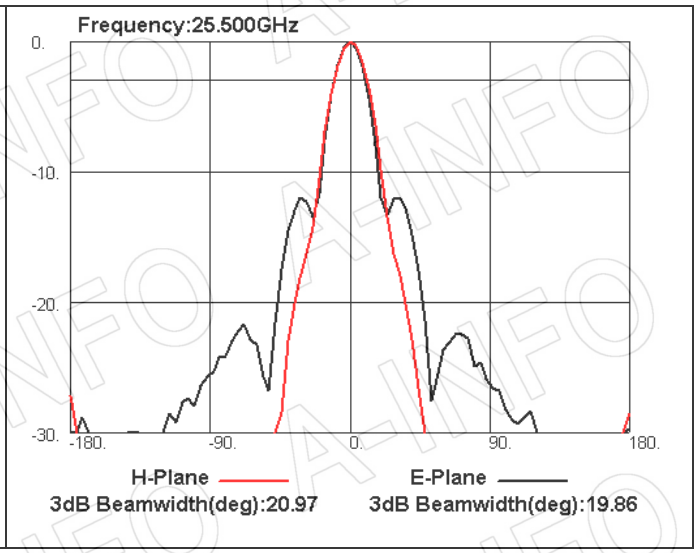
3dB Beamwidth(deg):23.21 3dB Beamwidth(deg):20.72



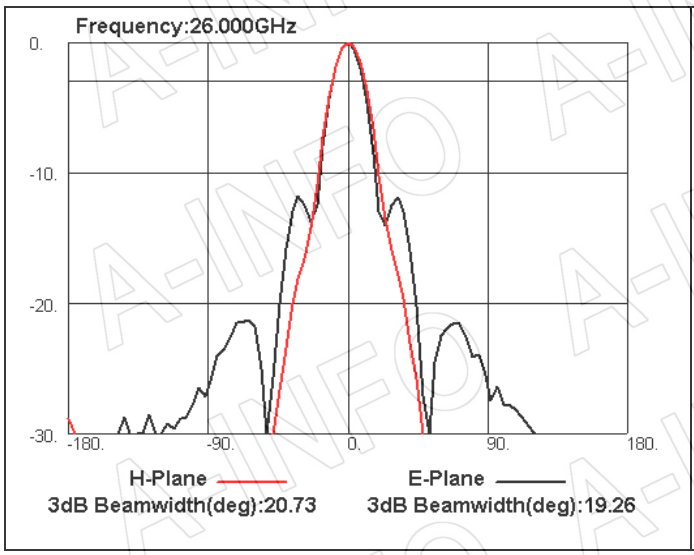
3dB Beamwidth(deg):21.73 3dB Beamwidth(deg):19.56



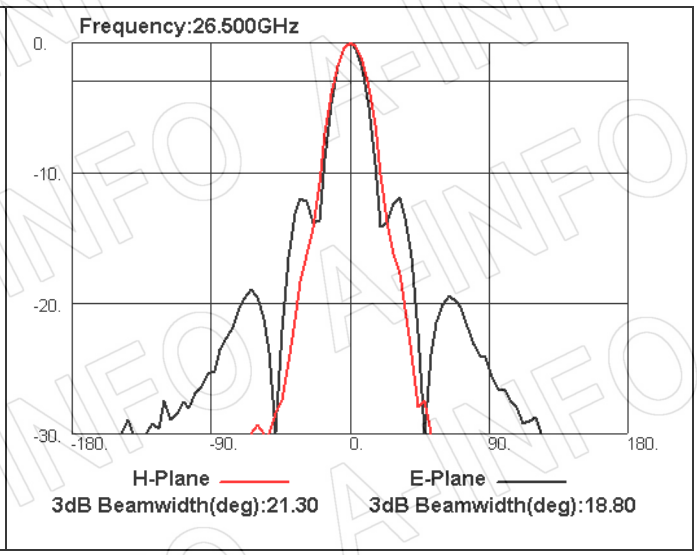
3dB Beamwidth(deg):22.13 3dB Beamwidth(deg):20.12



3dB Beamwidth(deg):20.97 3dB Beamwidth(deg):19.86



3dB Beamwidth(deg):20.73 3dB Beamwidth(deg):19.26



3dB Beamwidth(deg):21.30 3dB Beamwidth(deg):18.80

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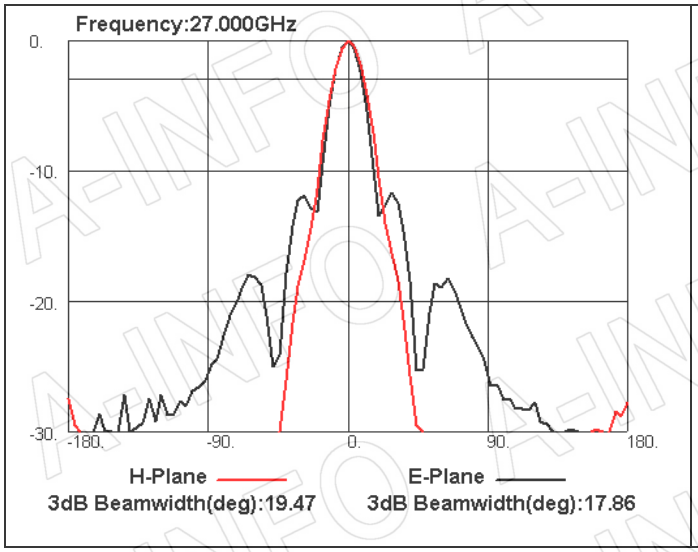

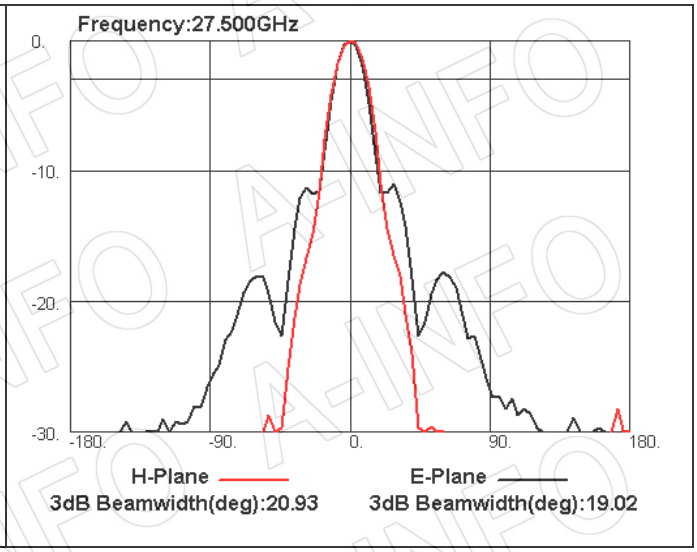

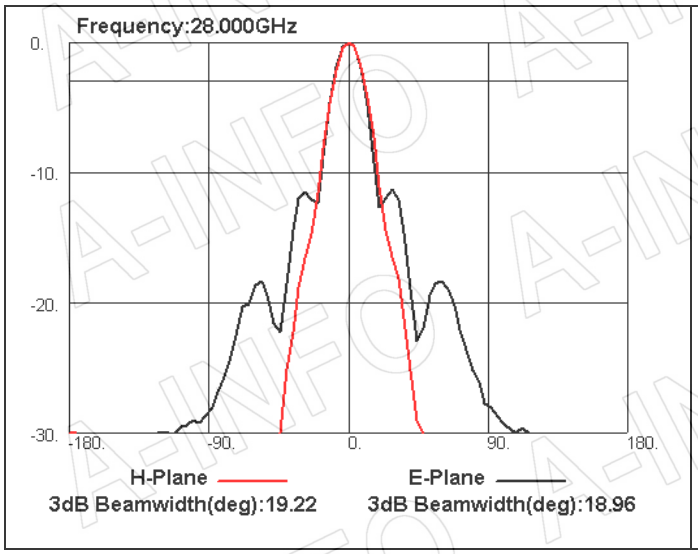

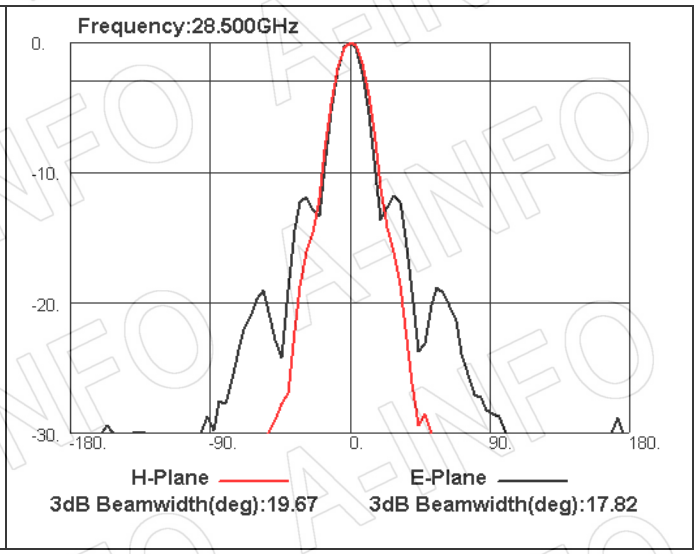

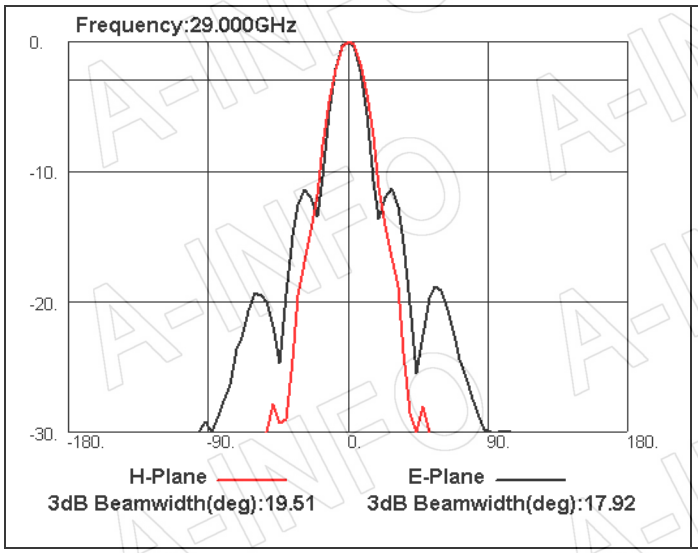

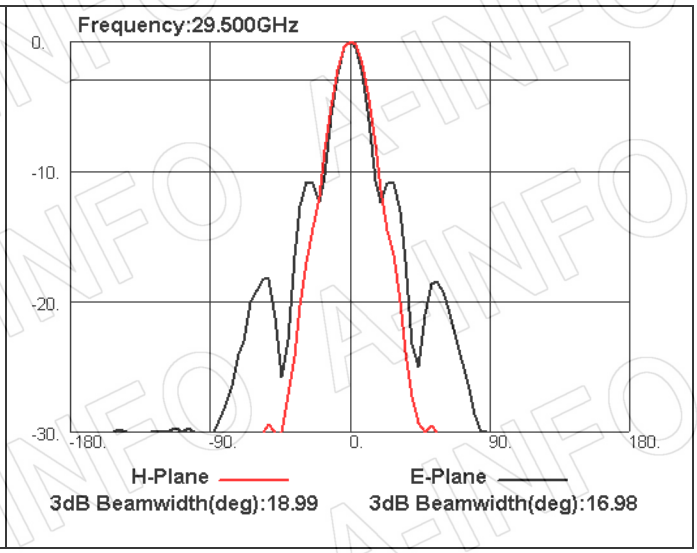

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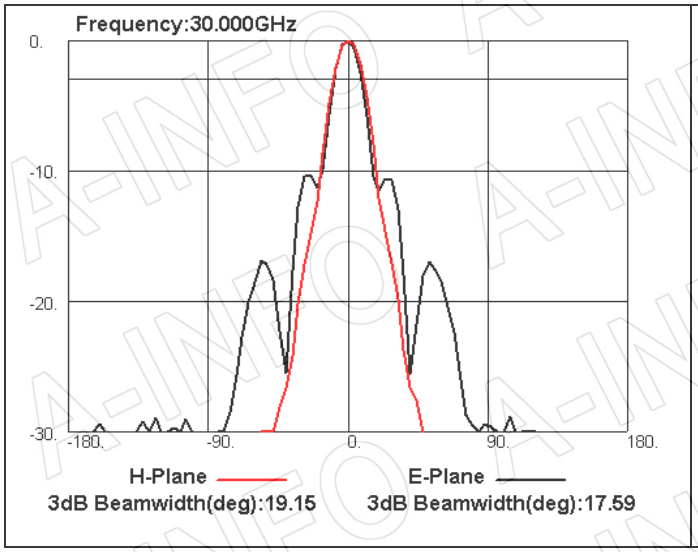

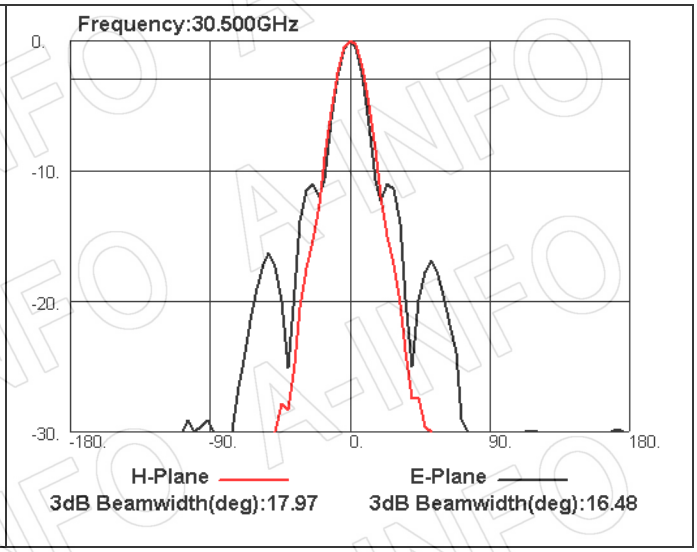

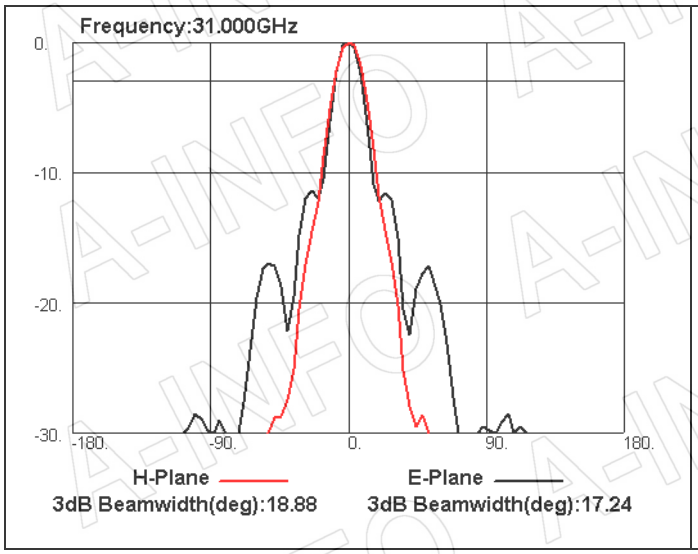

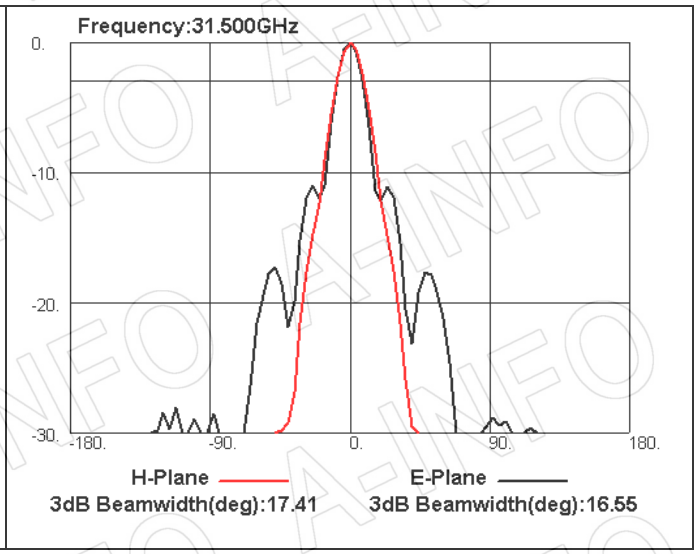

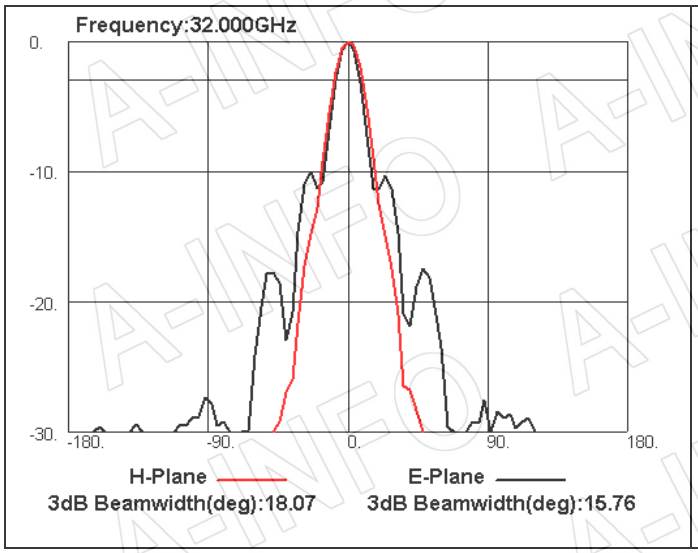

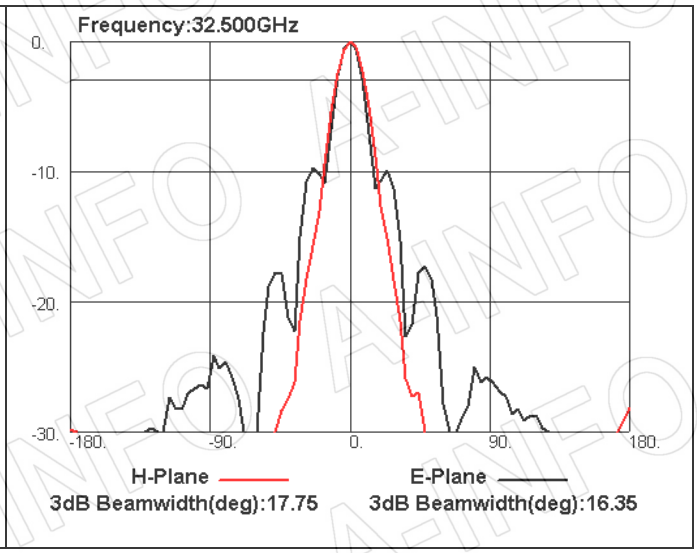

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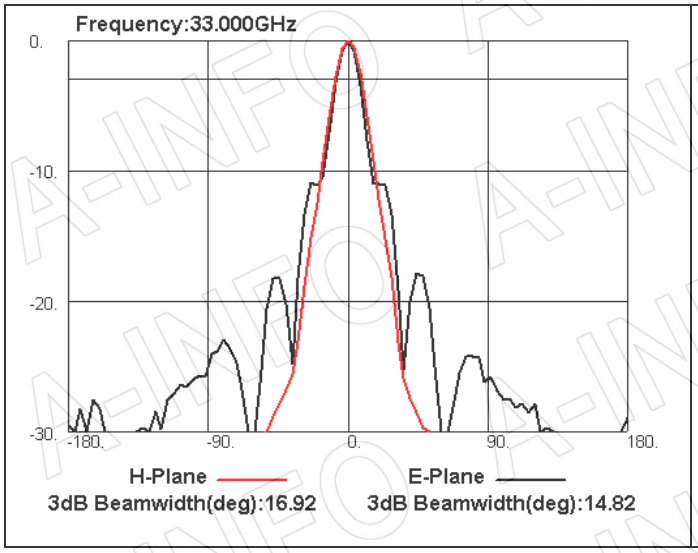
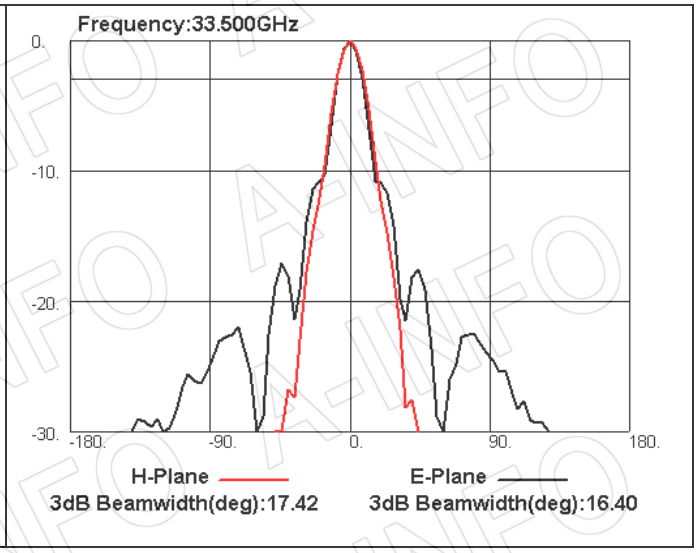
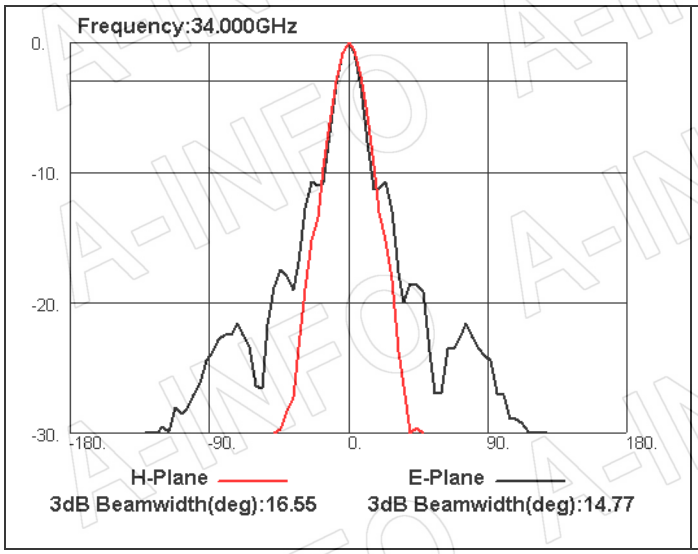


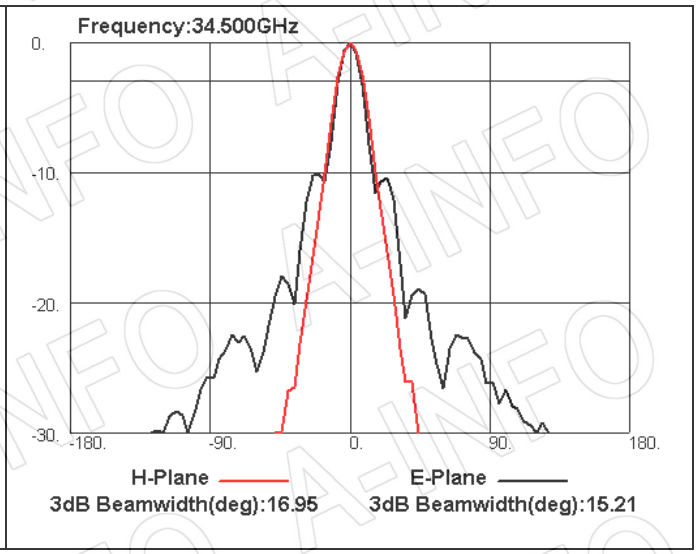
3dB Beamwidth(deg):16.92 3dB Beamwidth(deg):14.82



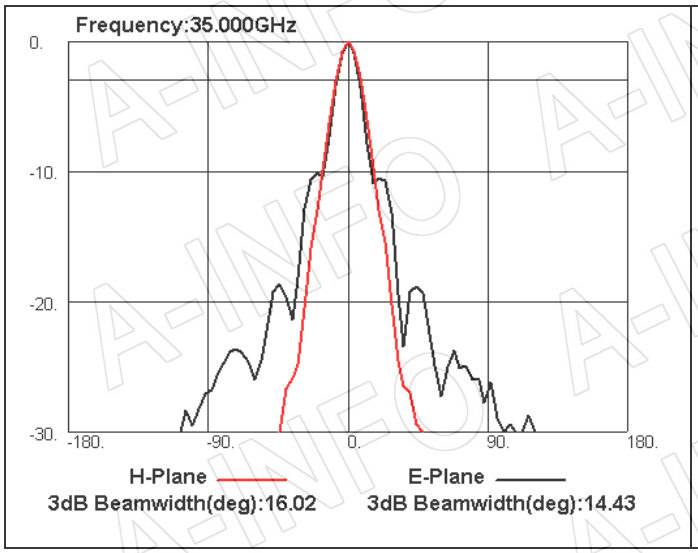
3dB Beamwidth(deg):17.42 3dB Beamwidth(deg):16.40



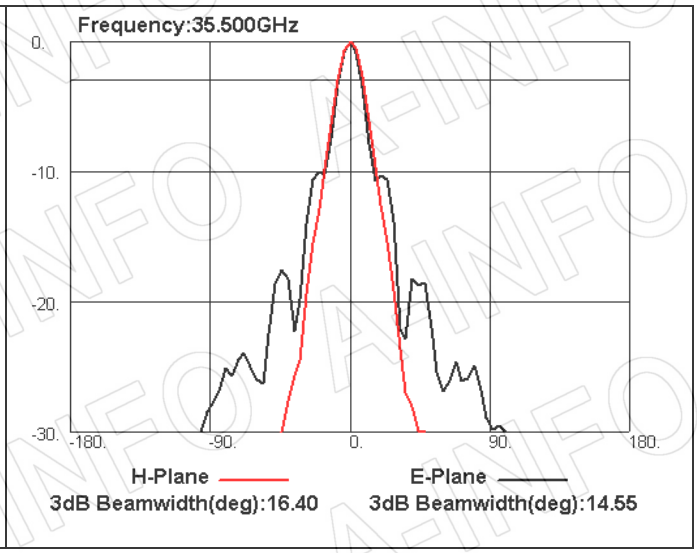
3dB Beamwidth(deg):16.55 3dB Beamwidth(deg):14.77



3dB Beamwidth(deg):16.95 3dB Beamwidth(deg):15.21



3dB Beamwidth(deg):16.02 3dB Beamwidth(deg):14.43



3dB Beamwidth(deg):16.40 3dB Beamwidth(deg):14.55

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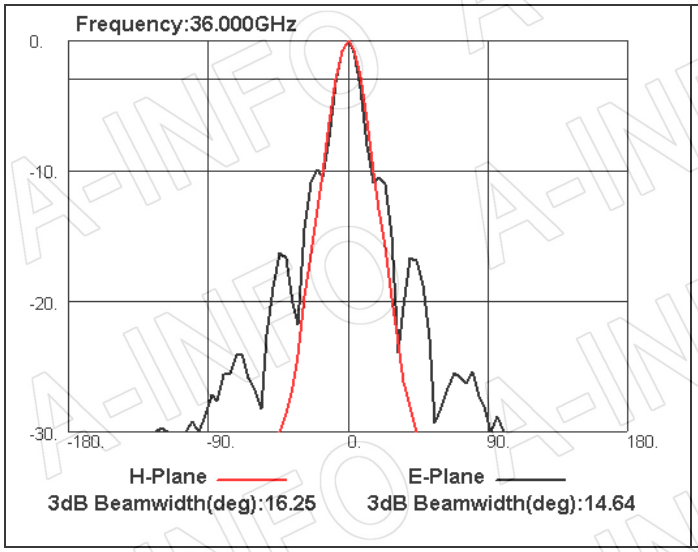

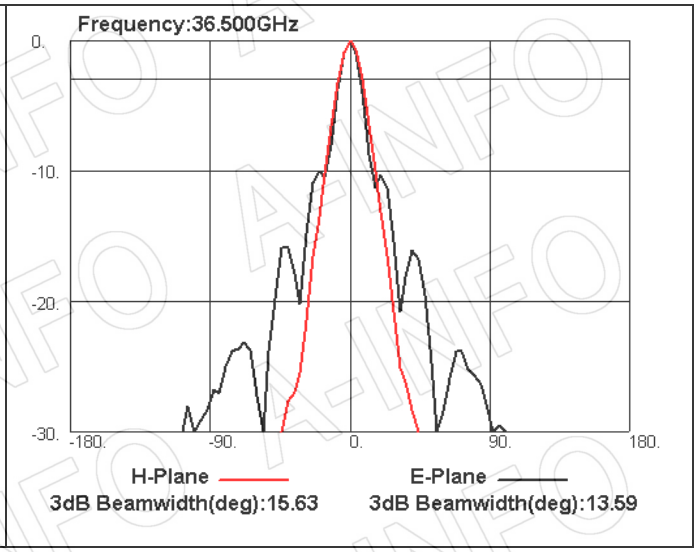

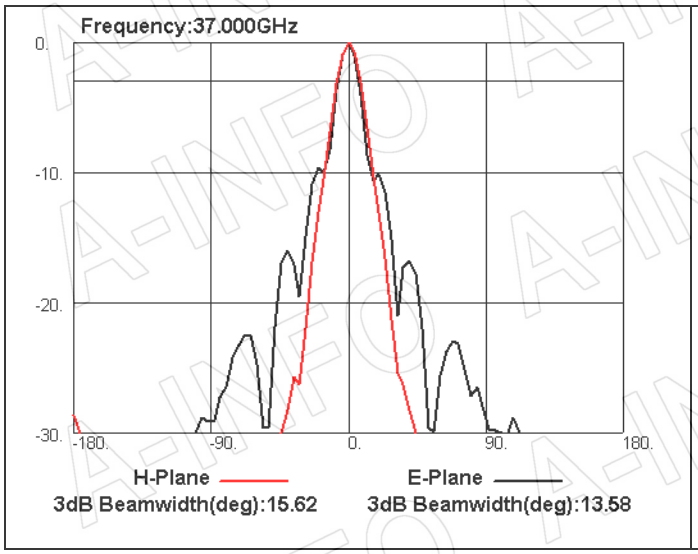

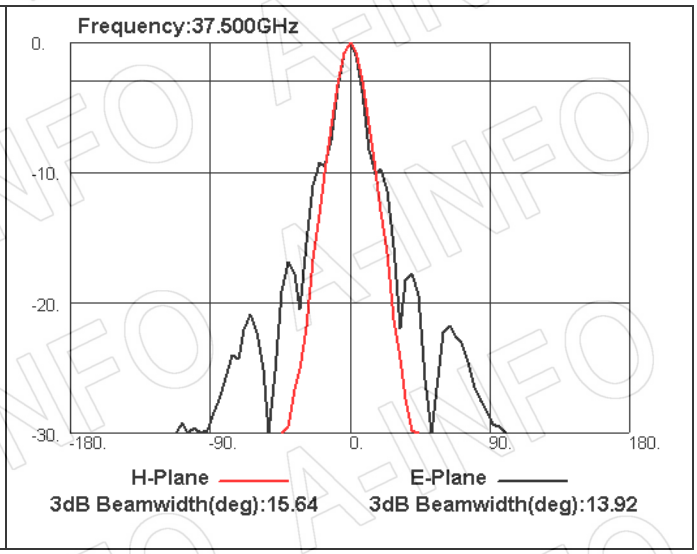

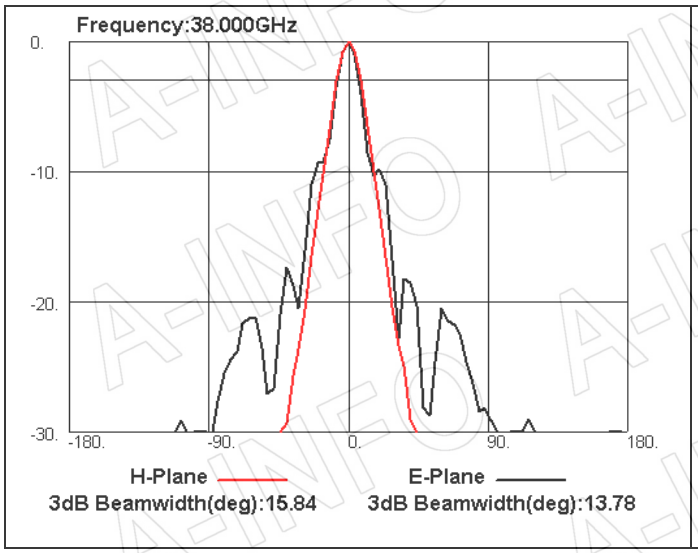

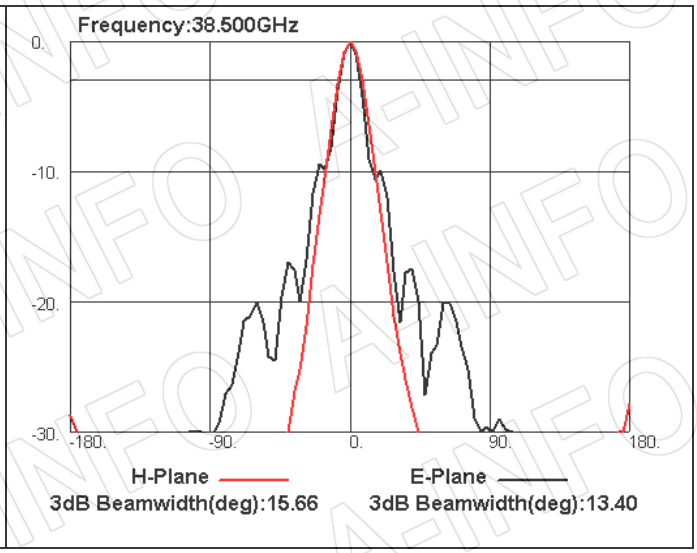

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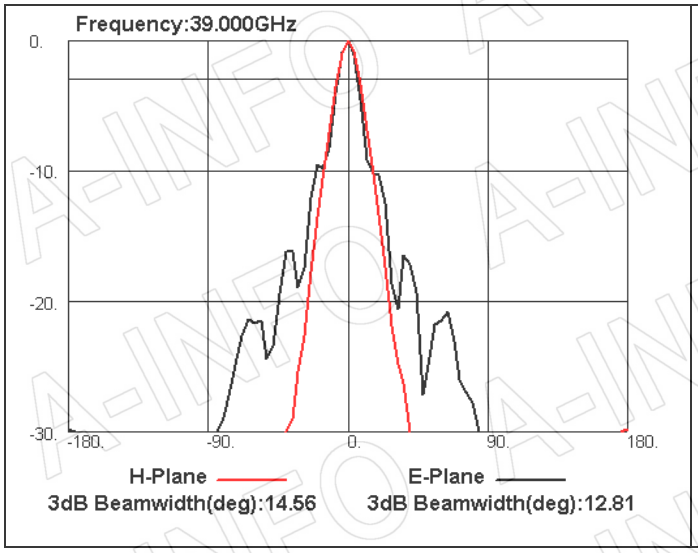

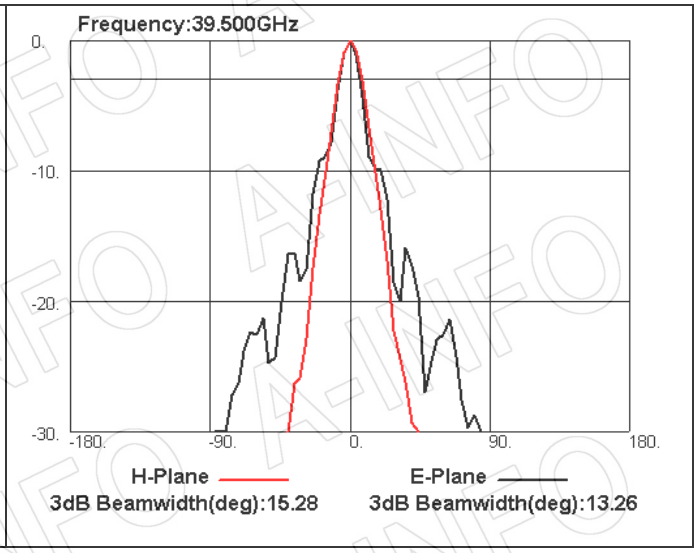

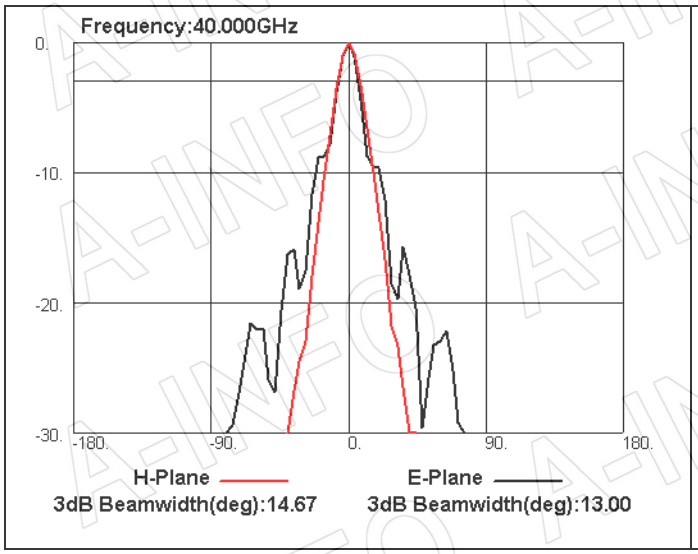

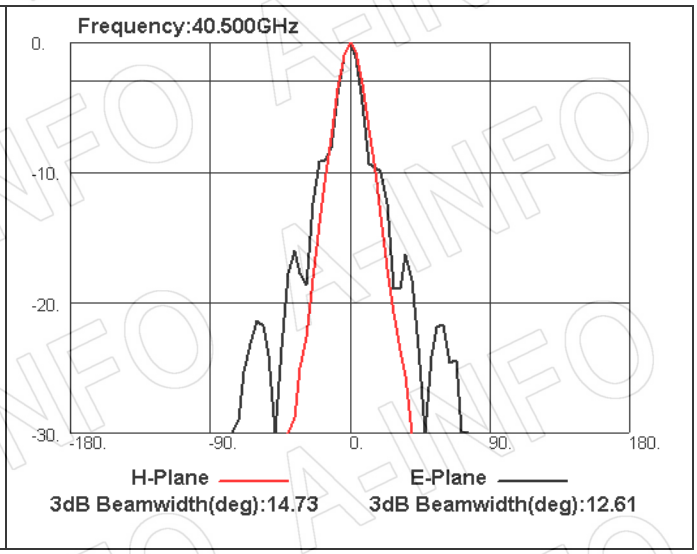

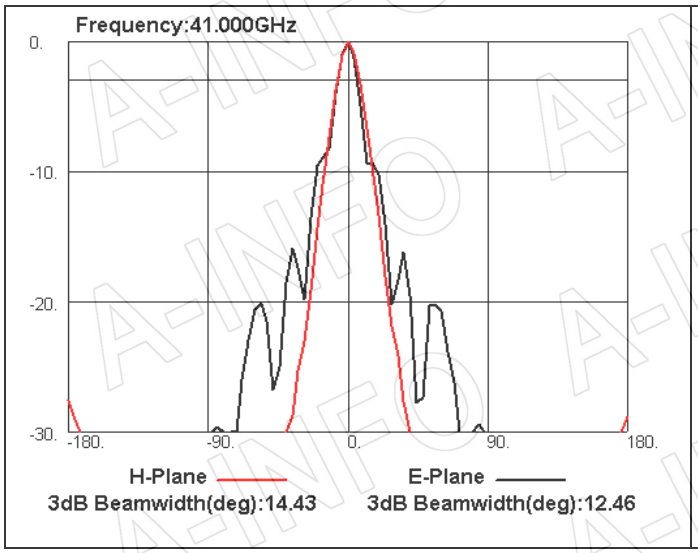

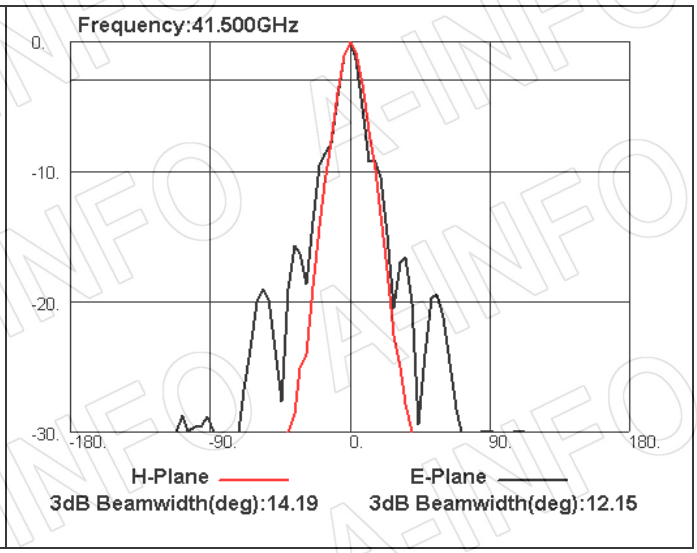

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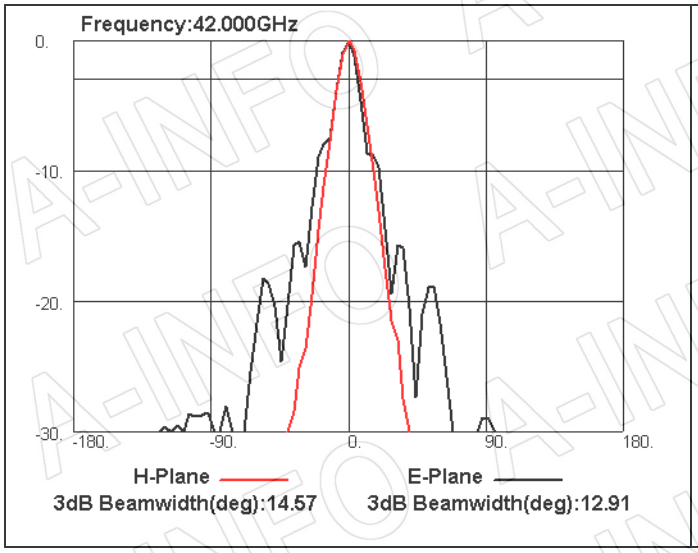

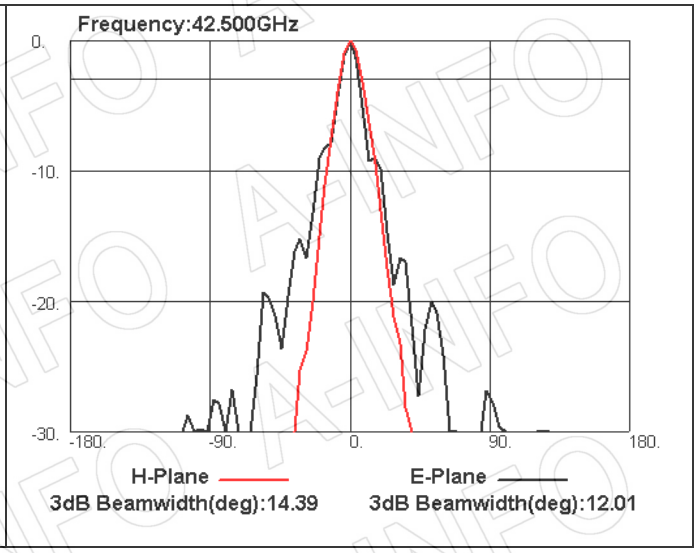

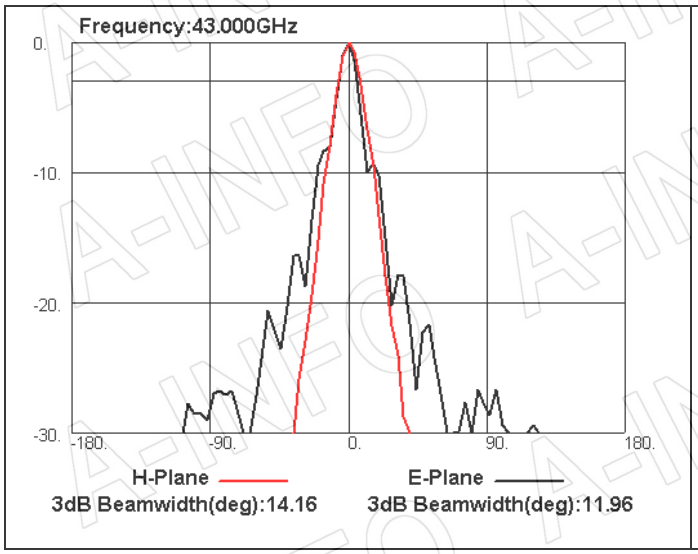

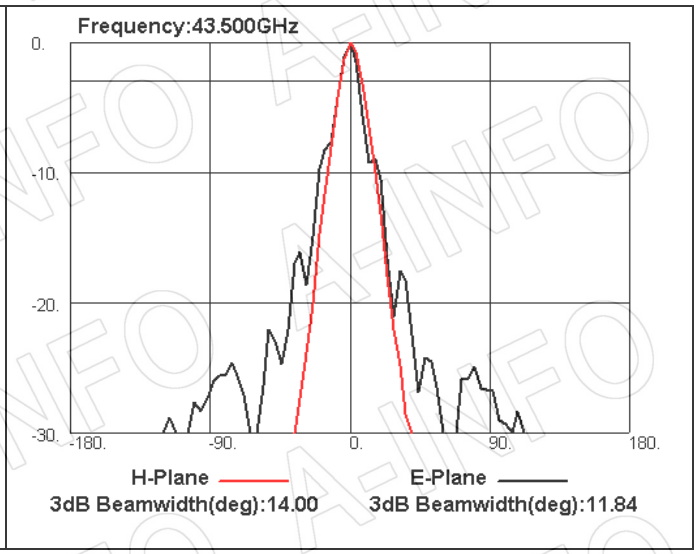

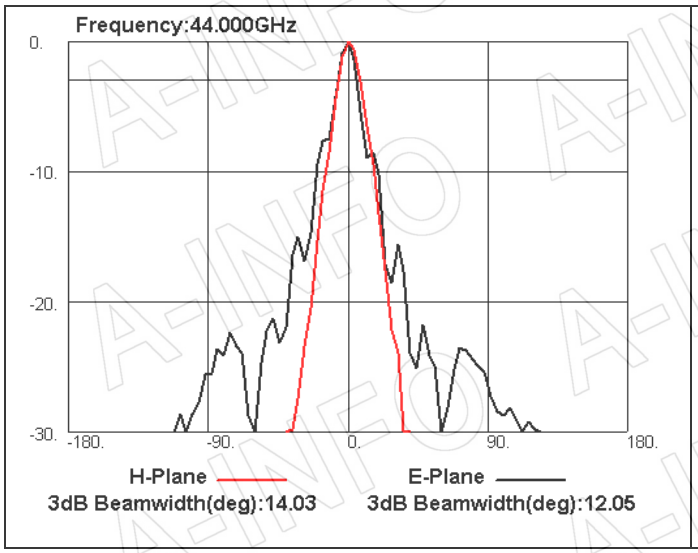

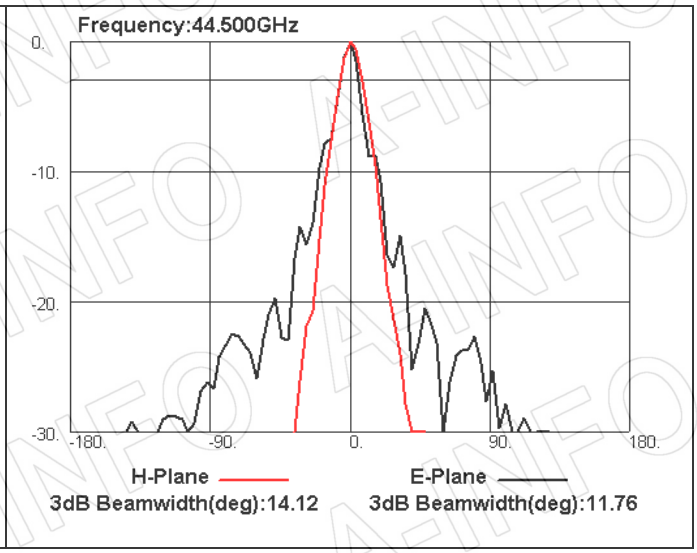

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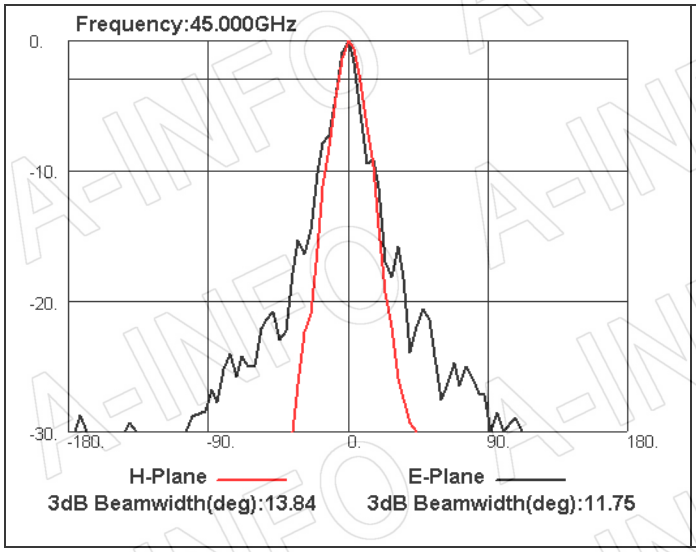

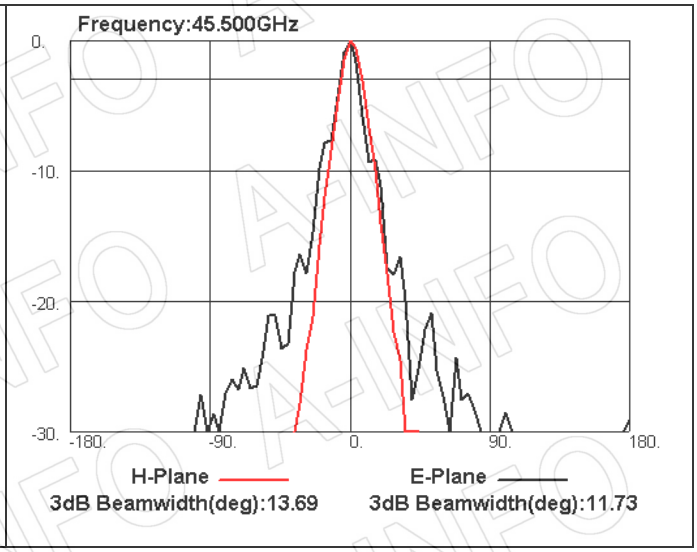

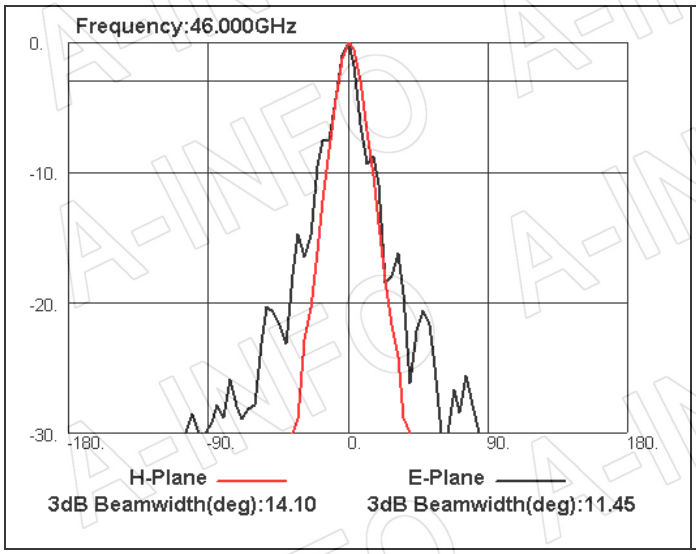

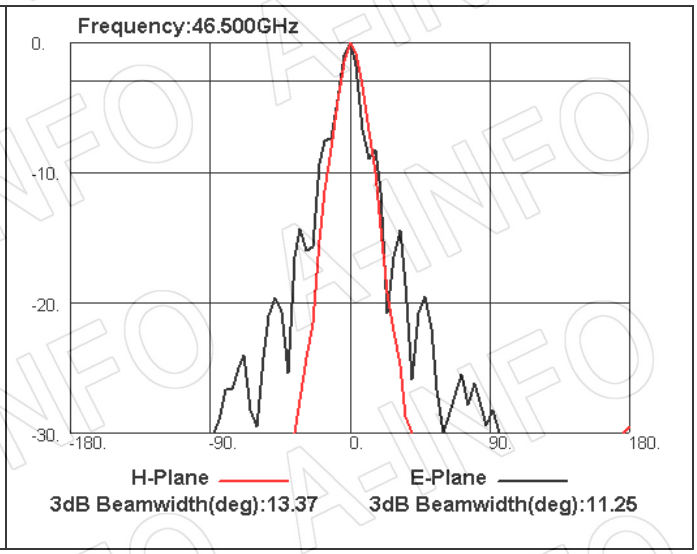

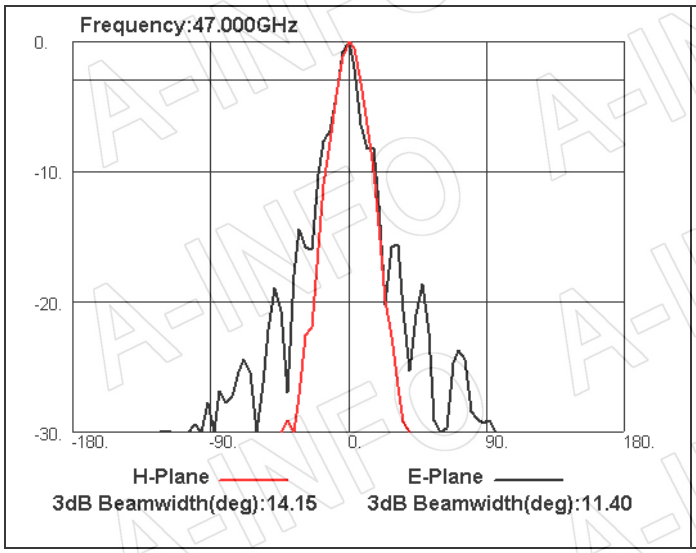

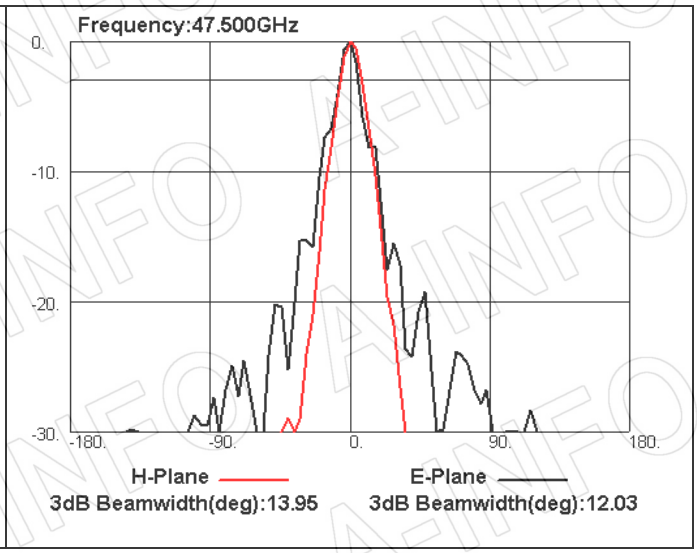

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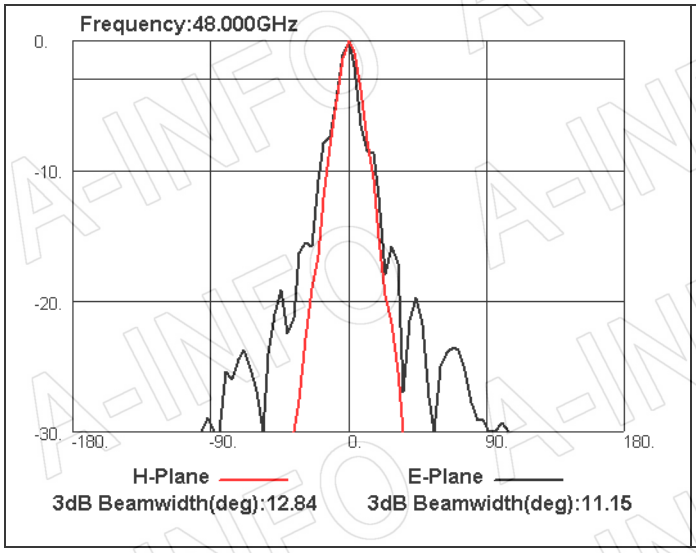

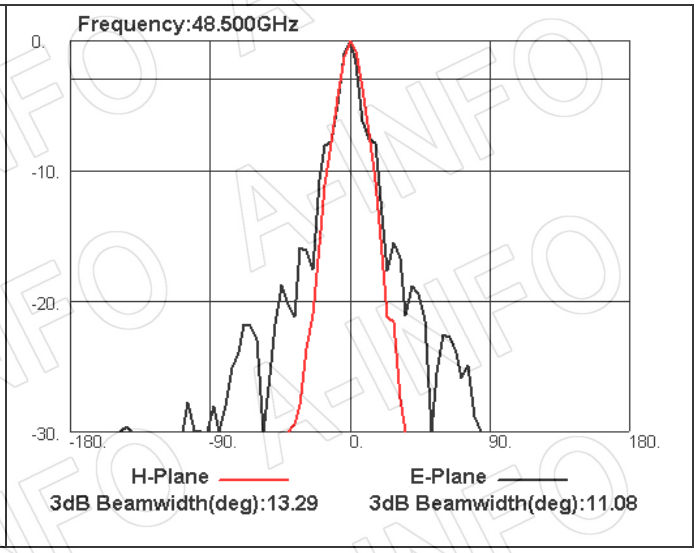

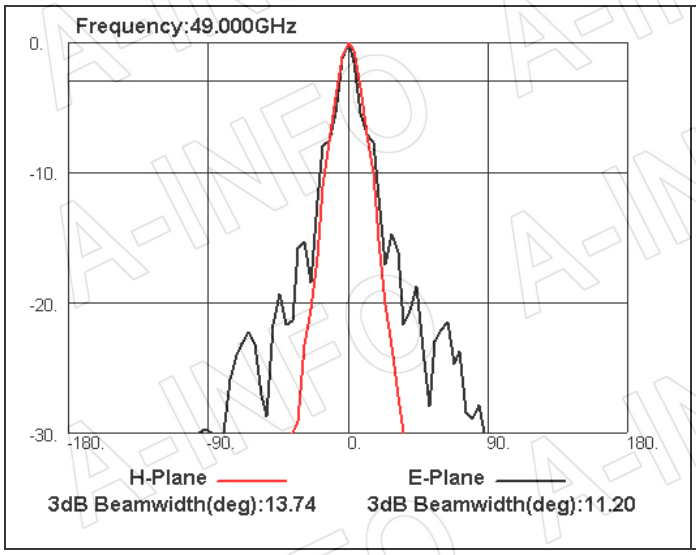

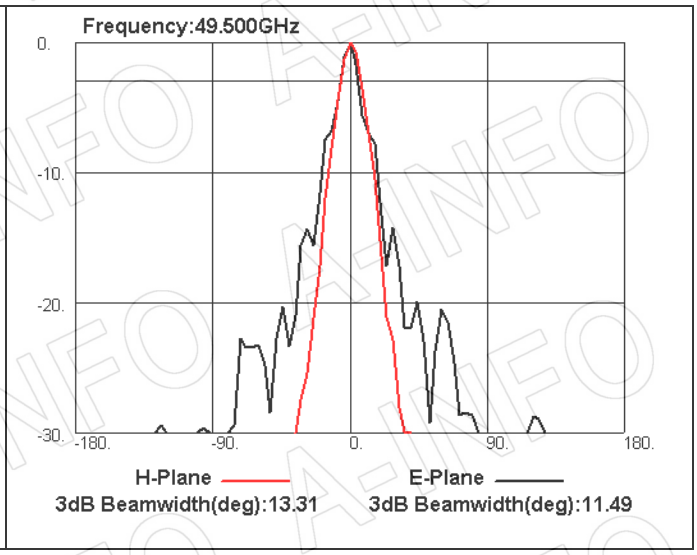

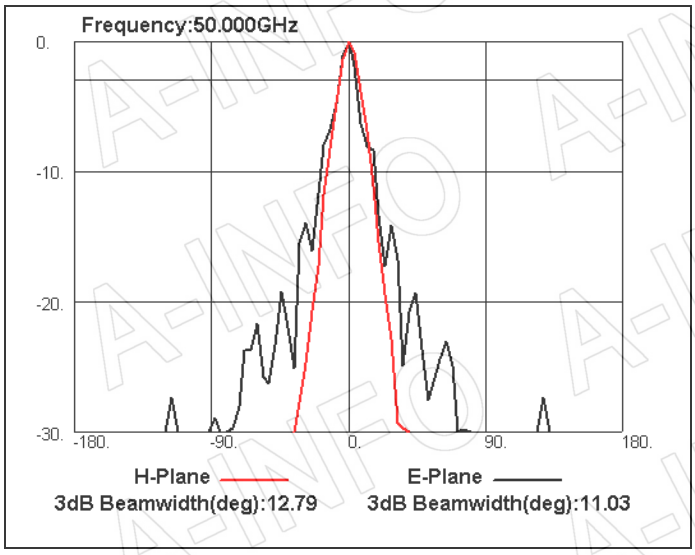

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