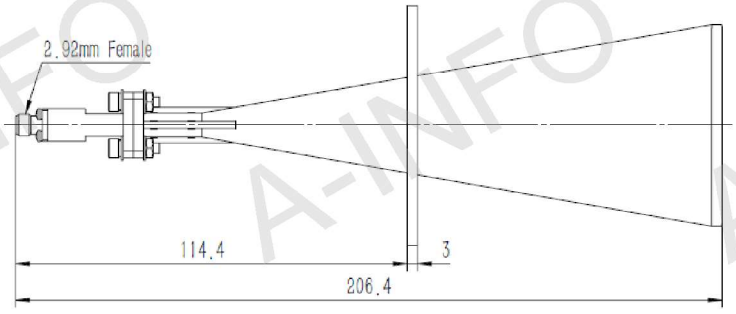
A-INFO

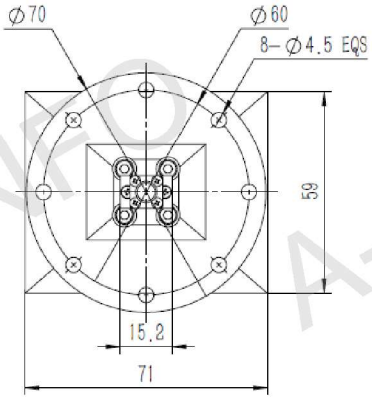
LB-28-25-C2-EKF
26.5 - 40.0GHz Standard Gain Horn Antenna

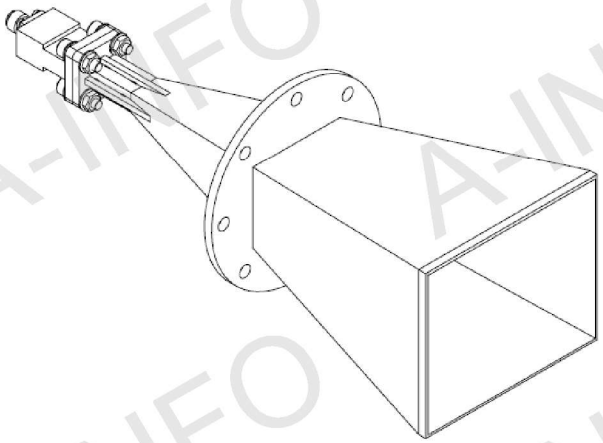
Technical Specification

Frequency Range(GHz)	26.5 - 40.0
Waveguide	WR28
Gain(dBi)	25 Typ.
Polarization	Linear
3dB Beamwidth(deg)	10 Typ.
VSWR	1.25:1 Typ.
Output	Endlaunch 2.92mm-Female
Material	Cu
Size(mm)	71 x 70 x 206.4
Net Weight(Kg)	0.25 Around

Ouline Drawing (Size: mm)







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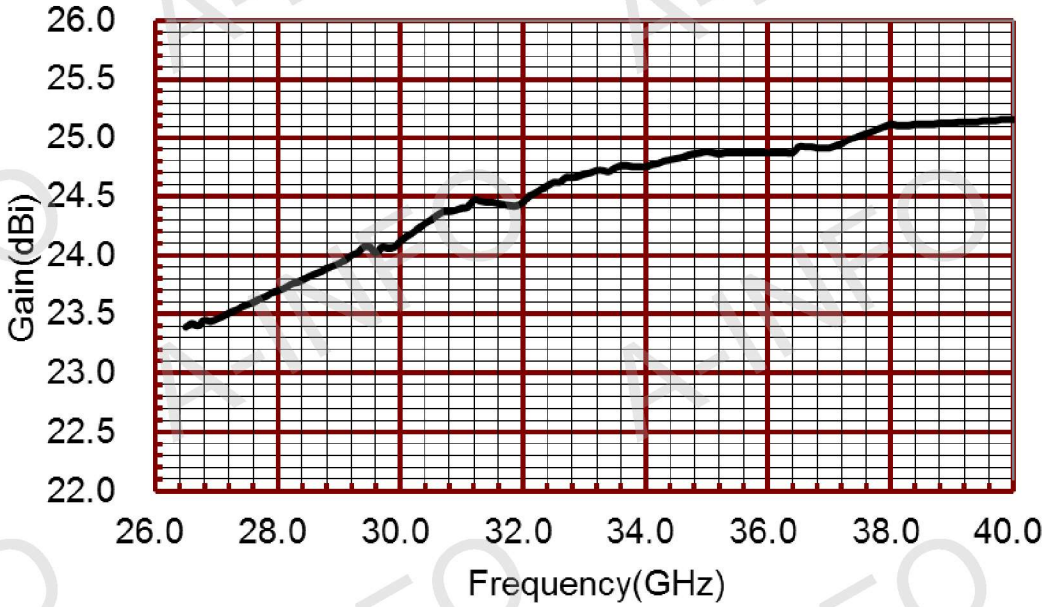
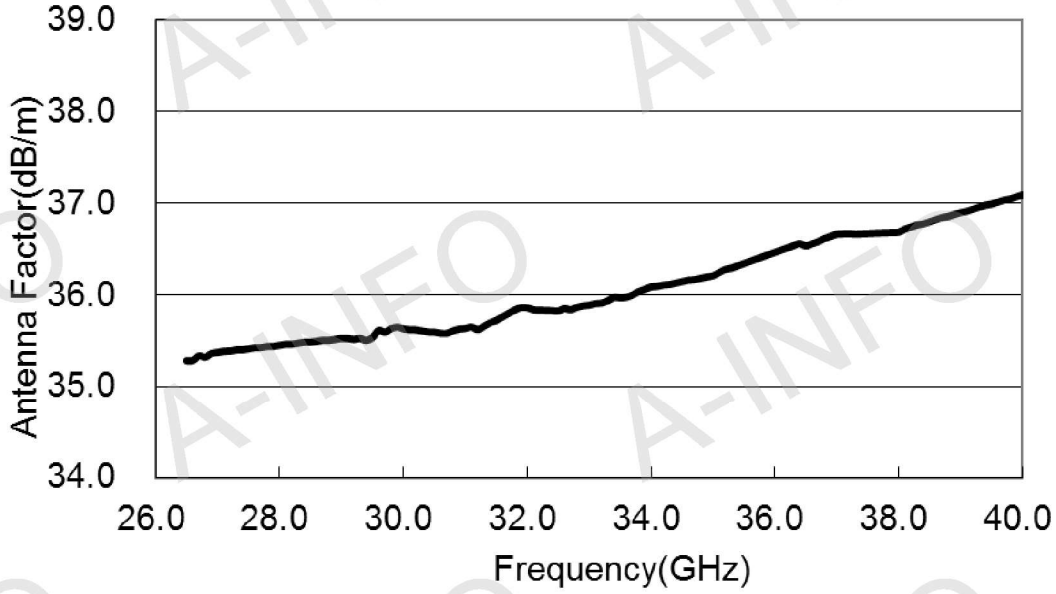
Test Results

1. Gain and Antenna Factor



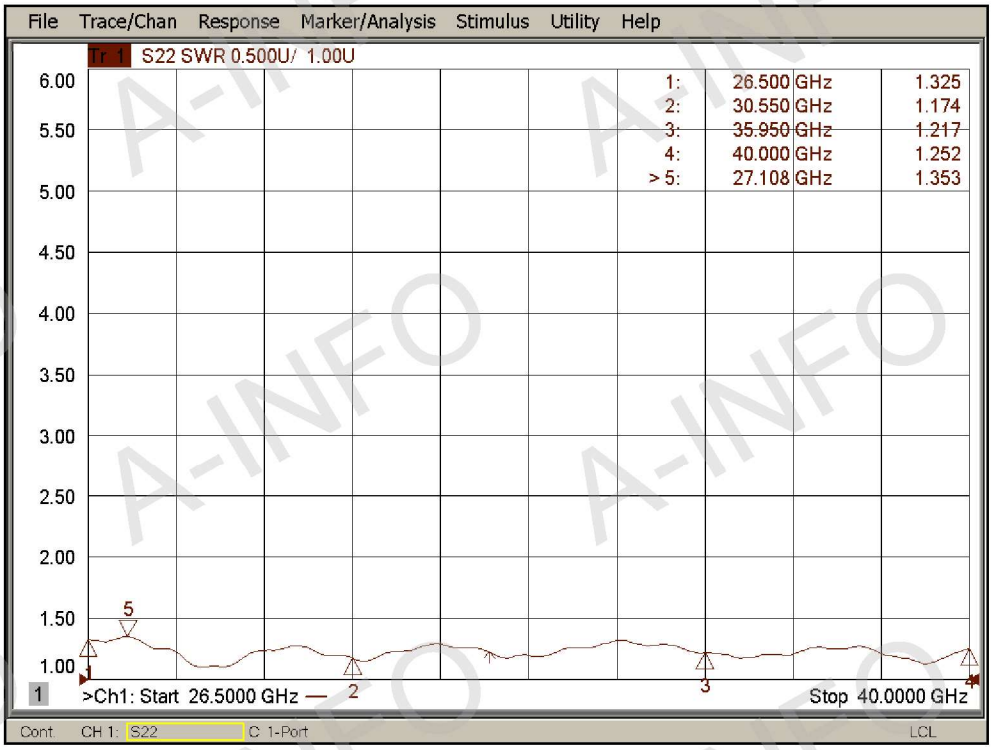


A-INFO

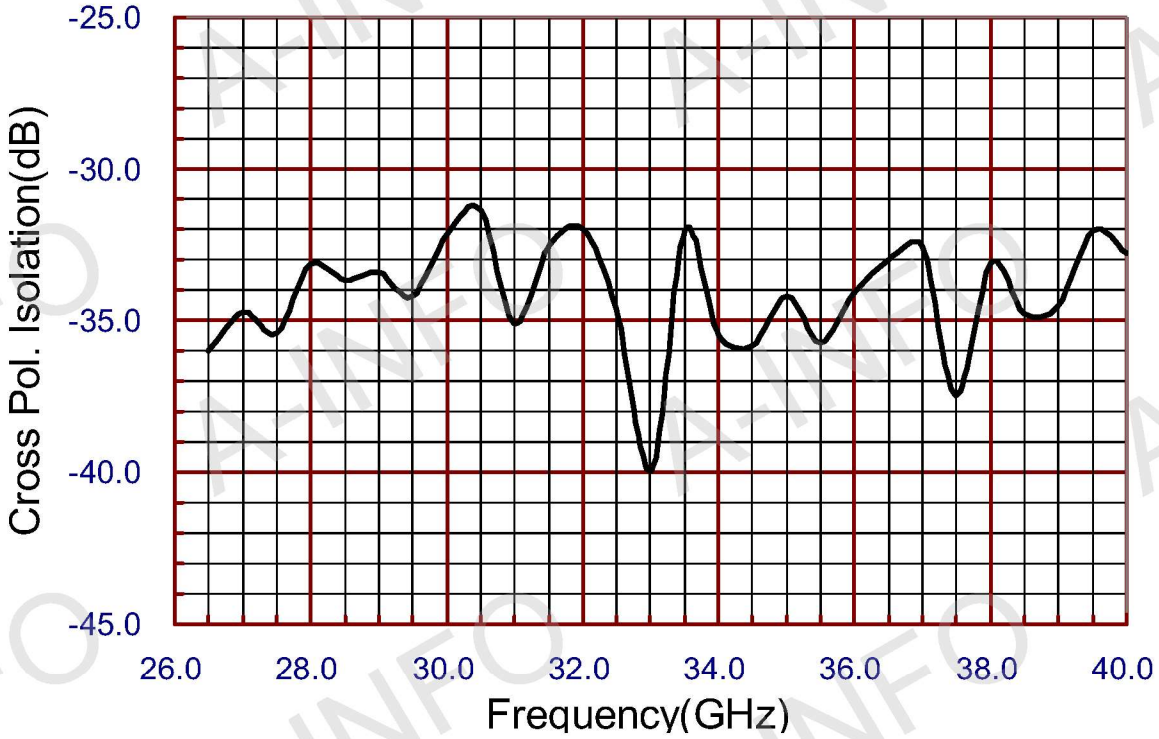
Frequency (GHz)	Gain (dB)	Antenna Factor (dB/m)
26.50	23.39	35.28
27.00	23.46	35.38
27.50	23.58	35.42
28.00	23.70	35.45
28.50	23.82	35.49
29.00	23.93	35.53
29.50	24.07	35.54
30.00	24.12	35.63
30.50	24.30	35.60
31.00	24.40	35.64
31.50	24.45	35.73
32.00	24.45	35.86
32.50	24.62	35.83
33.00	24.69	35.89

Frequency (GHz)	Gain (dB)	Antenna Factor (dB/m)
33.50	24.74	35.97
34.00	24.75	36.09
34.50	24.82	36.15
35.00	24.88	36.21
35.50	24.87	36.34
36.00	24.87	36.47
36.50	24.92	36.54
37.00	24.91	36.66
37.50	25.02	36.67
38.00	25.12	36.69
38.50	25.12	36.80
39.00	25.13	36.90
39.50	25.15	36.99
40.00	25.16	37.09

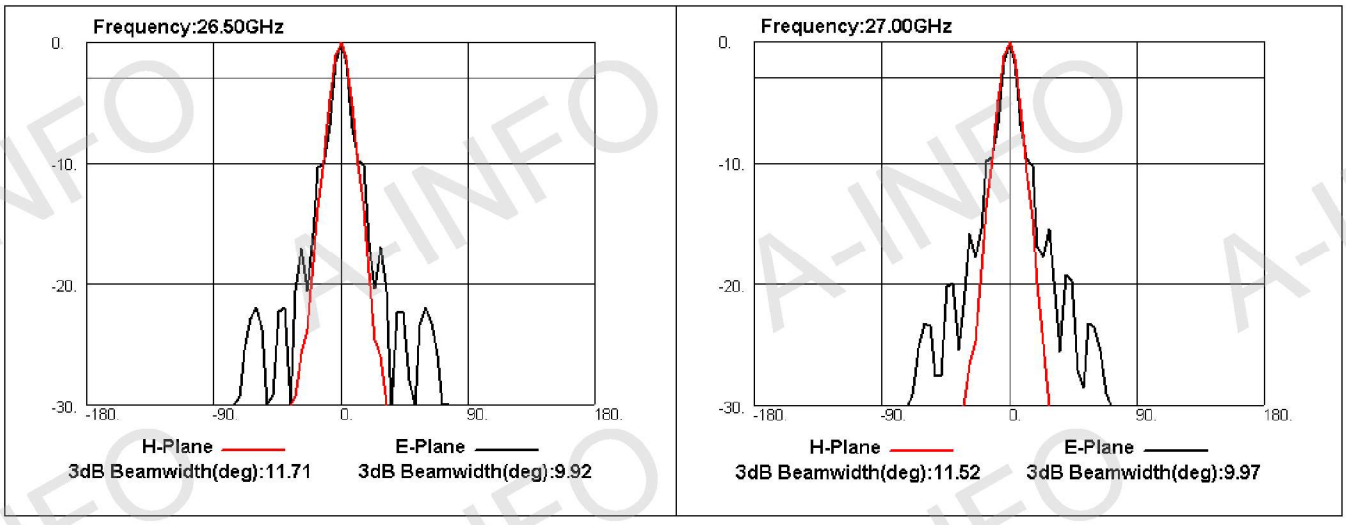
2. VSWR



3. Cross Polarization Isolation



4. Pattern



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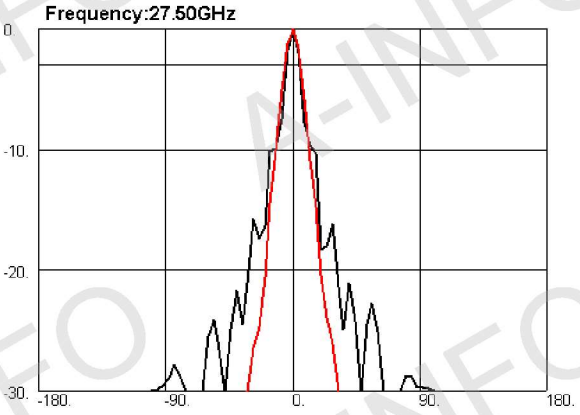
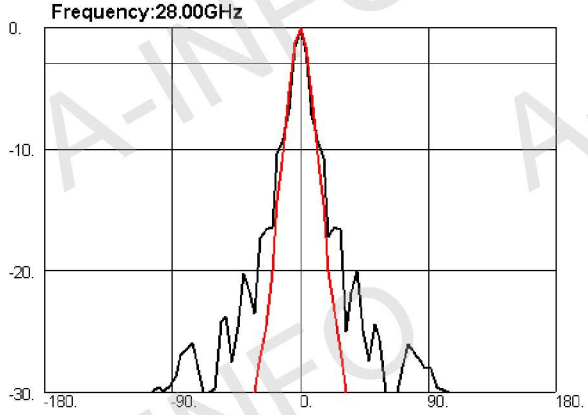


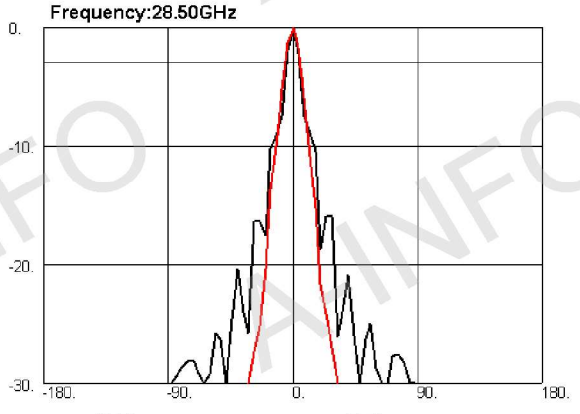
H-Plane
3dB Beamwidth(deg):11.24

E-Plane
3dB Beamwidth(deg):9.53



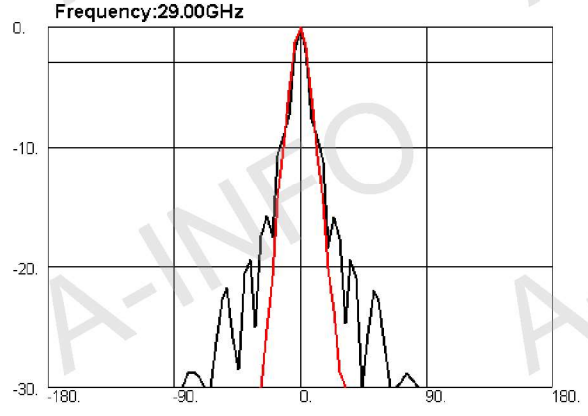
H-Plane
3dB Beamwidth(deg):11.11

E-Plane
3dB Beamwidth(deg):9.76



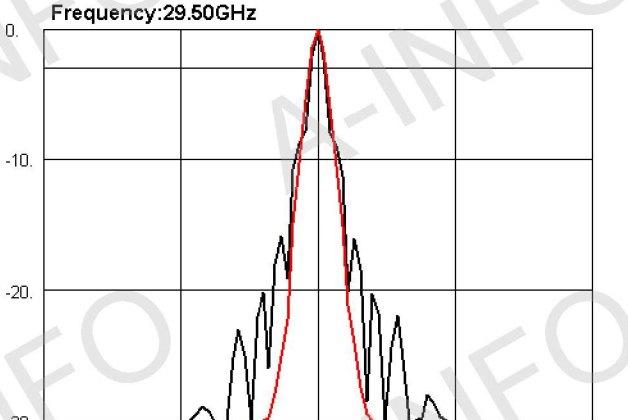
H-Plane
3dB Beamwidth(deg):10.97

E-Plane
3dB Beamwidth(deg):9.34



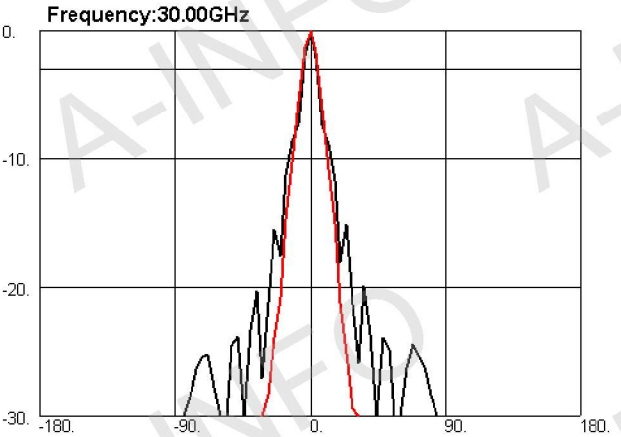
H-Plane
3dB Beamwidth(deg):10.90

E-Plane
3dB Beamwidth(deg):9.41



H-Plane
3dB Beamwidth(deg):10.81

E-Plane
3dB Beamwidth(deg):9.11



H-Plane
3dB Beamwidth(deg):10.75

E-Plane
3dB Beamwidth(deg):9.47

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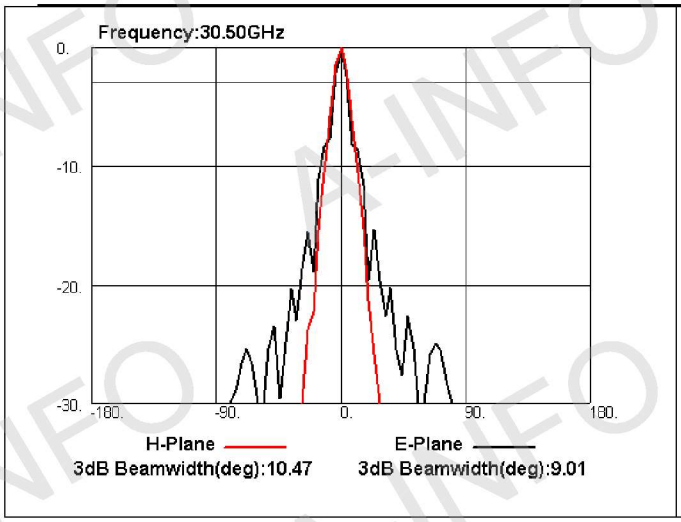
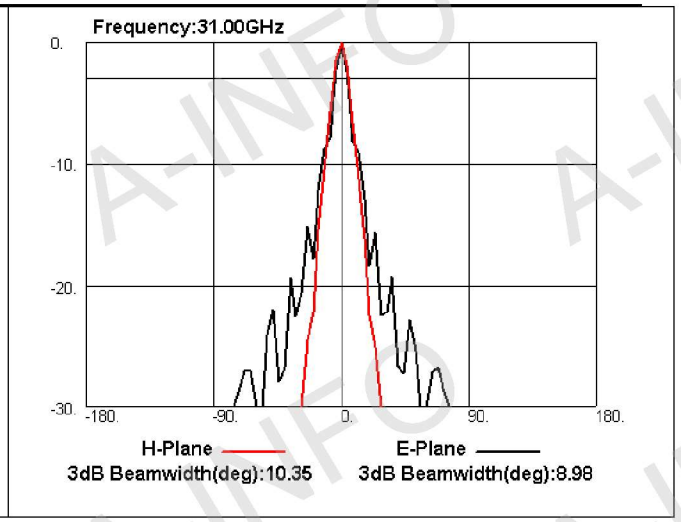
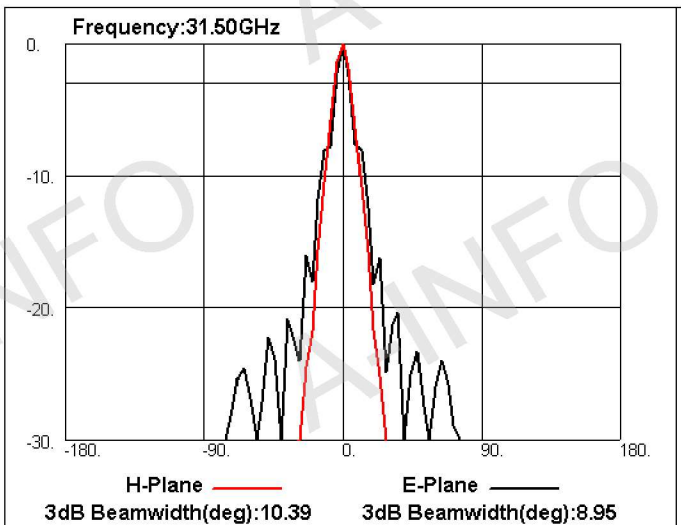


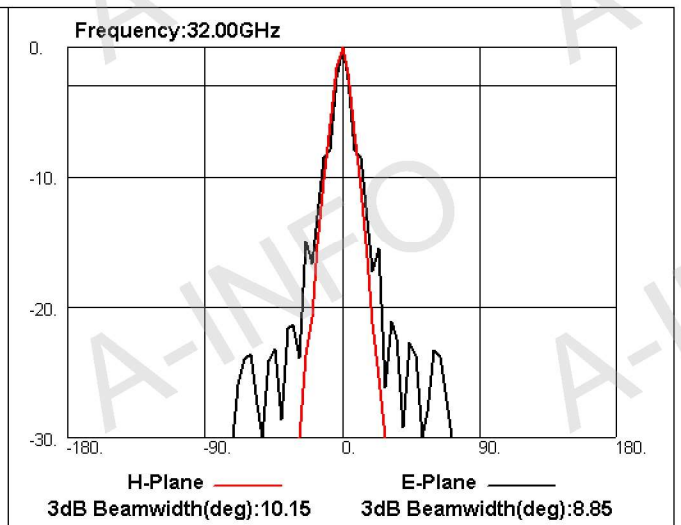
3dB Beamwidth(deg):10.47 3dB Beamwidth(deg):9.01



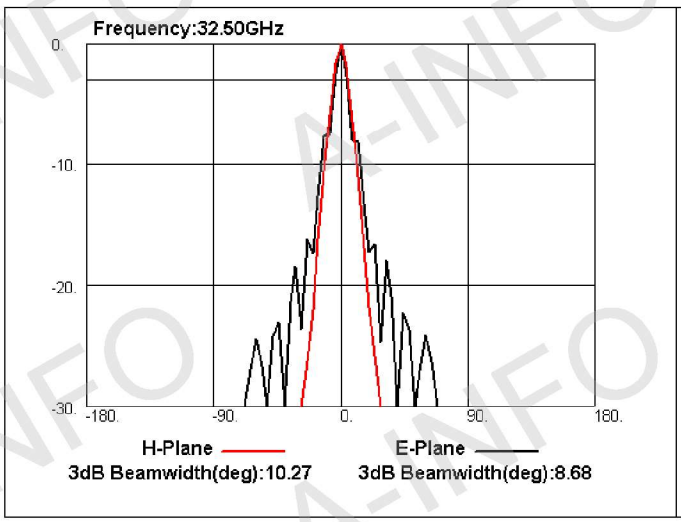
3dB Beamwidth(deg):10.35 3dB Beamwidth(deg):8.98



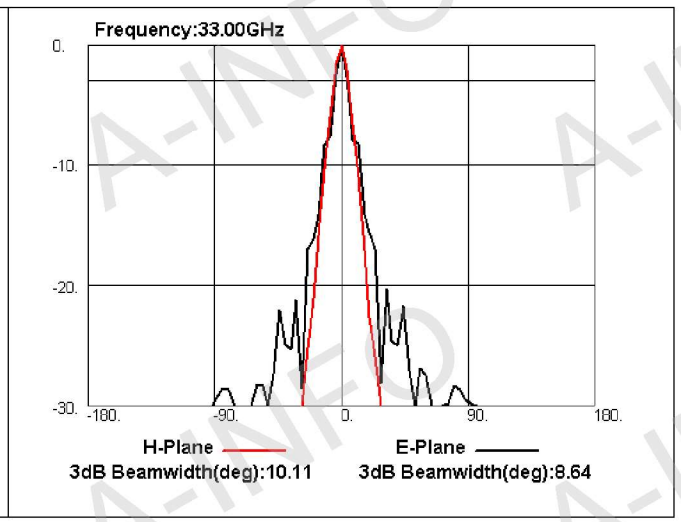
3dB Beamwidth(deg):10.39 3dB Beamwidth(deg):8.95



3dB Beamwidth(deg):10.15 3dB Beamwidth(deg):8.85



3dB Beamwidth(deg):10.27 3dB Beamwidth(deg):8.68



3dB Beamwidth(deg):10.11 3dB Beamwidth(deg):8.64

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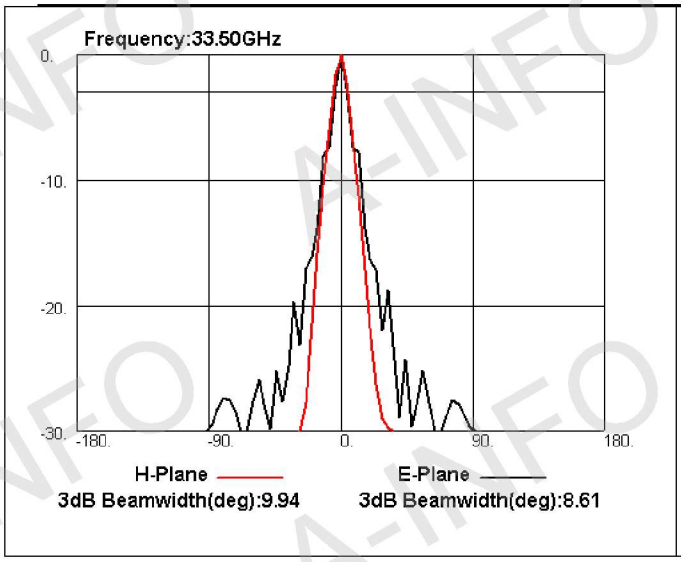
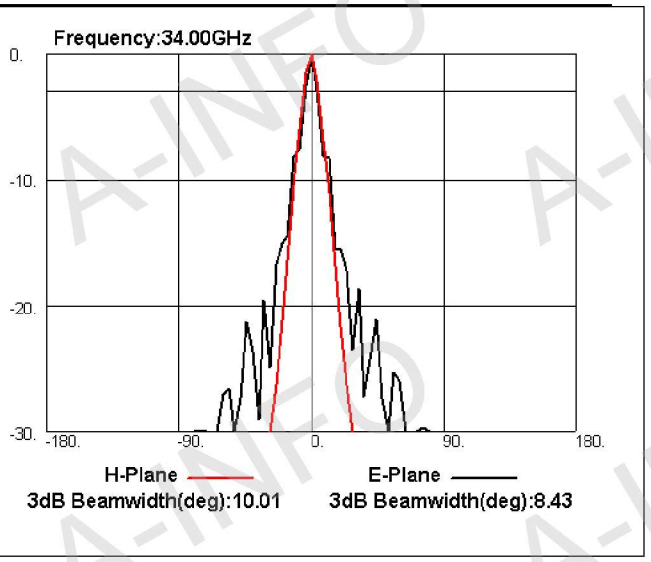
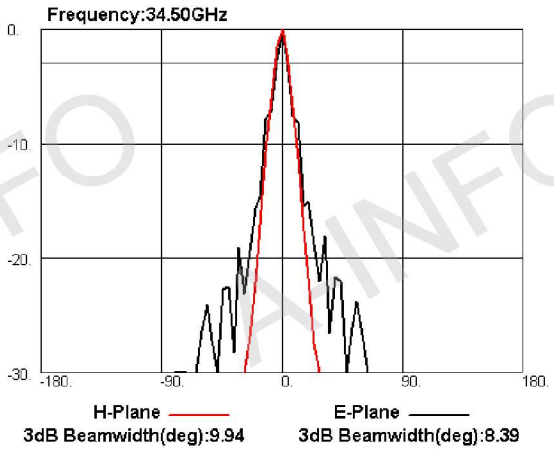


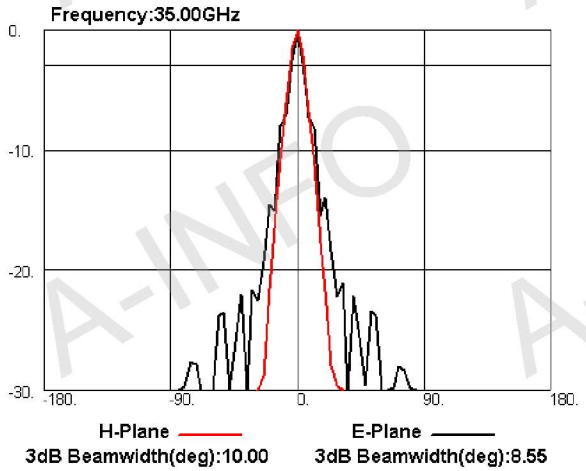
3dB Beamwidth(deg):9.94 3dB Beamwidth(deg):8.61



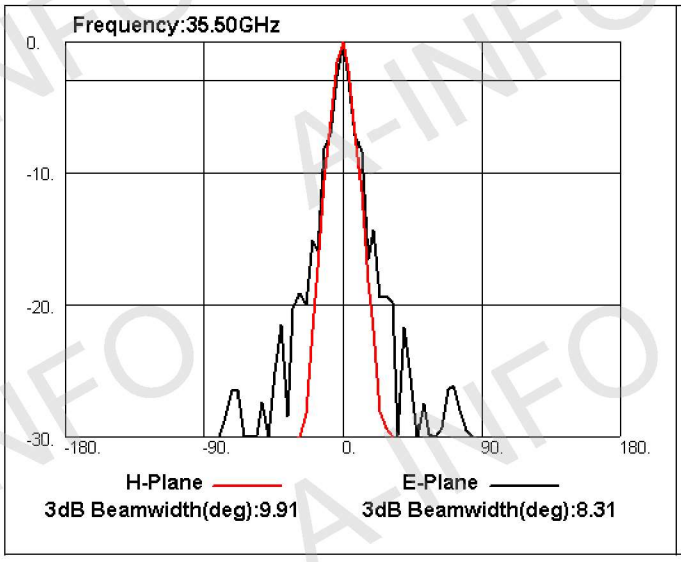
3dB Beamwidth(deg):10.01 3dB Beamwidth(deg):8.43



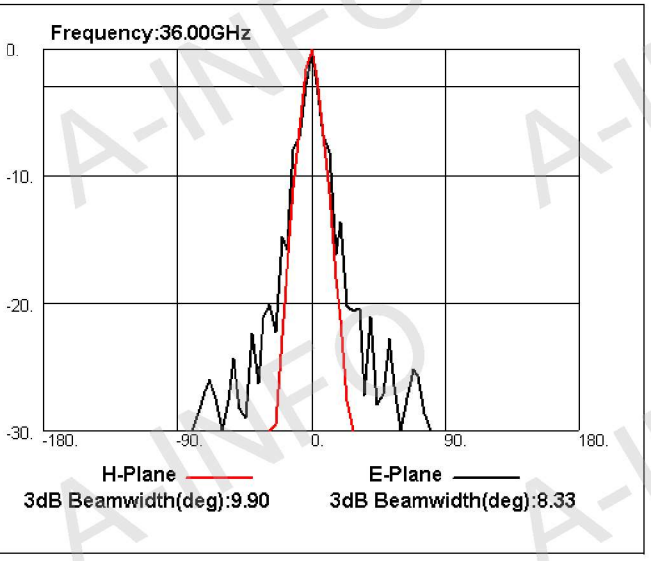
3dB Beamwidth(deg):9.94 3dB Beamwidth(deg):8.39



3dB Beamwidth(deg):10.00 3dB Beamwidth(deg):8.55



3dB Beamwidth(deg):9.91 3dB Beamwidth(deg):8.31



3dB Beamwidth(deg):9.90 3dB Beamwidth(deg):8.33

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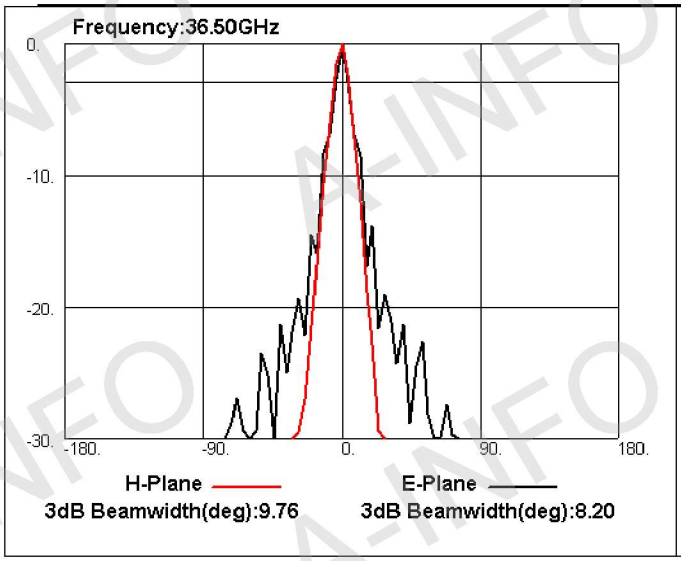
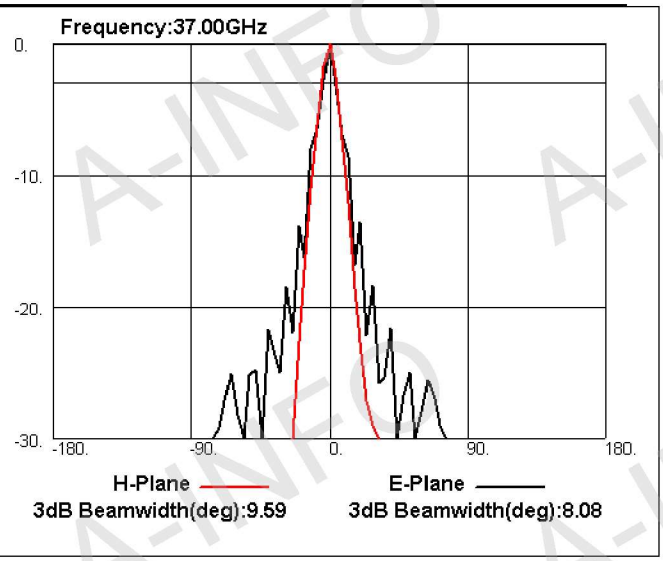
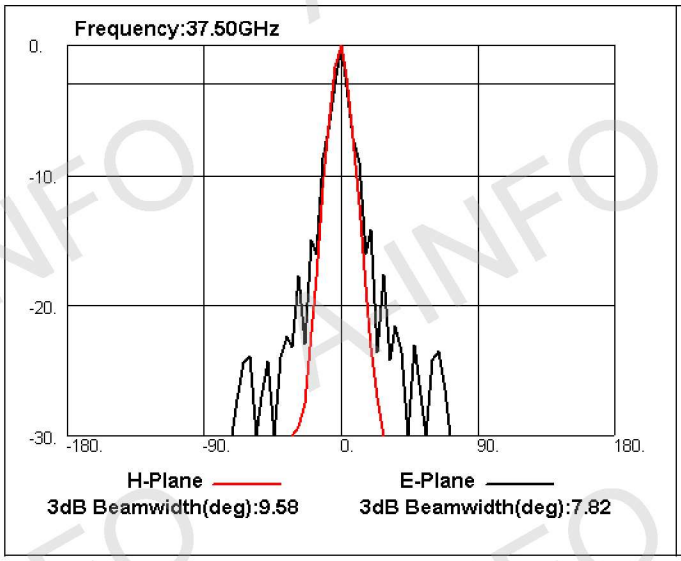


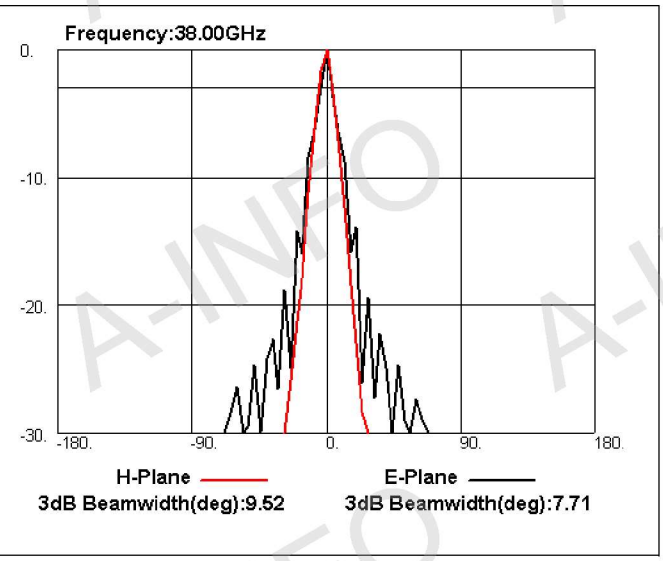
3dB Beamwidth(deg):9.76 3dB Beamwidth(deg):8.20



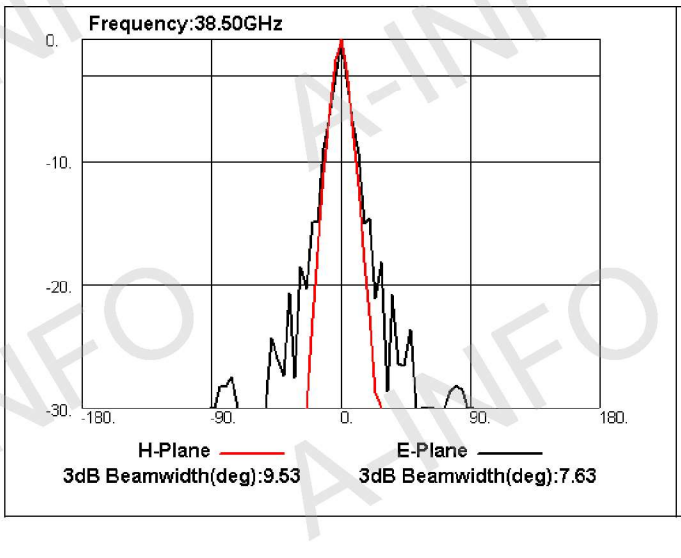
3dB Beamwidth(deg):9.59 3dB Beamwidth(deg):8.08



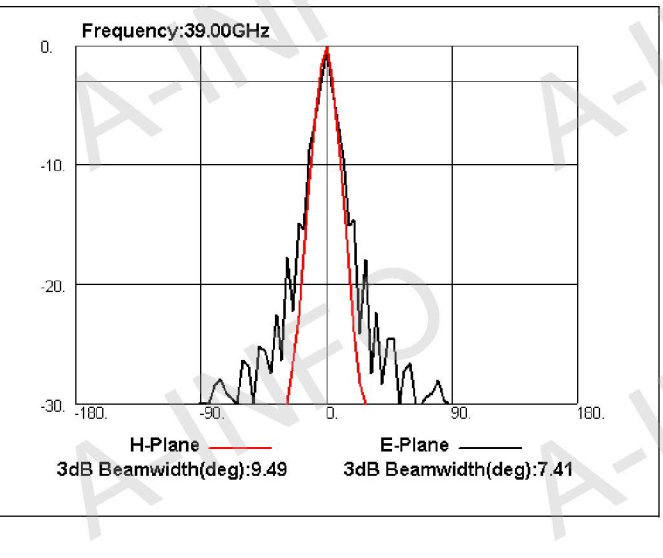
3dB Beamwidth(deg):9.58 3dB Beamwidth(deg):7.82



3dB Beamwidth(deg):9.52 3dB Beamwidth(deg):7.71



3dB Beamwidth(deg):9.53 3dB Beamwidth(deg):7.63



3dB Beamwidth(deg):9.49 3dB Beamwidth(deg):7.41

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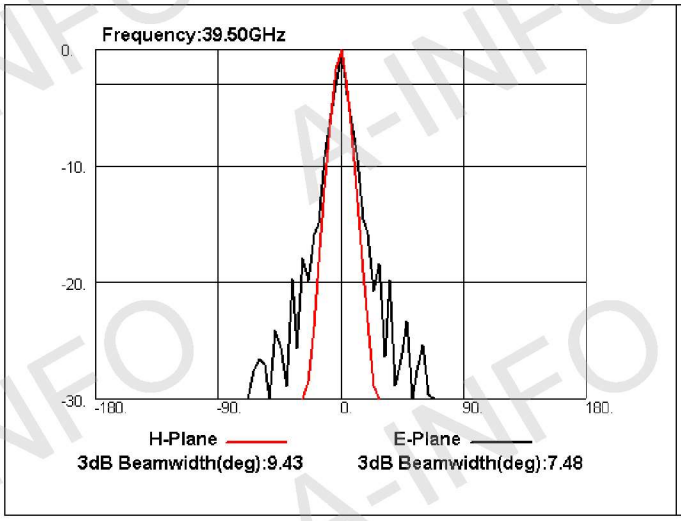

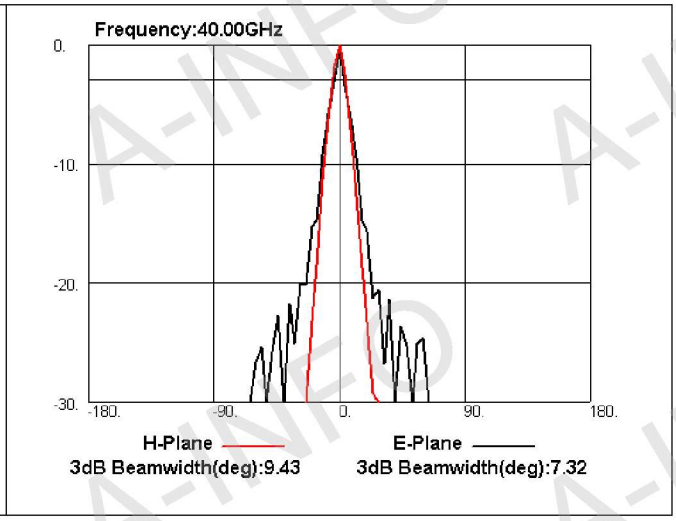

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