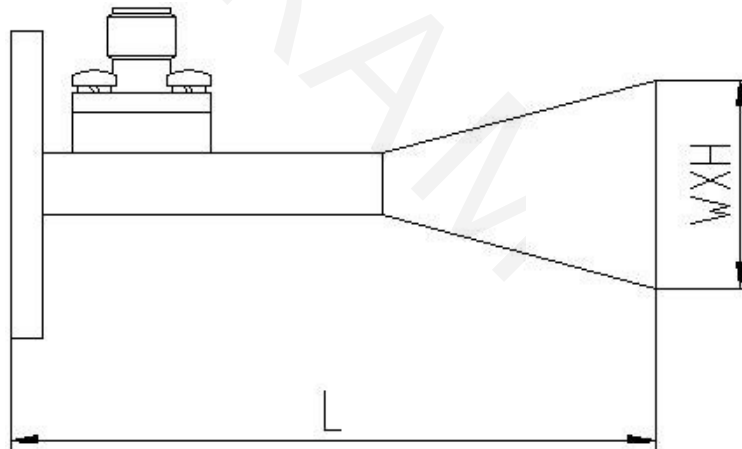


P/N: AMT-SGH28-15-KF
Technical Specification

Frequency Range(GHz)	26.5-40
Gain(dBi)	15 Typ.
Polarization	Linear
Impedance(Ohms)	50
Connector	2.92mm-female
VSWR	1.5 Max.
Size(mm)	19 ×26 × 59
Weight(g)	40 approx.

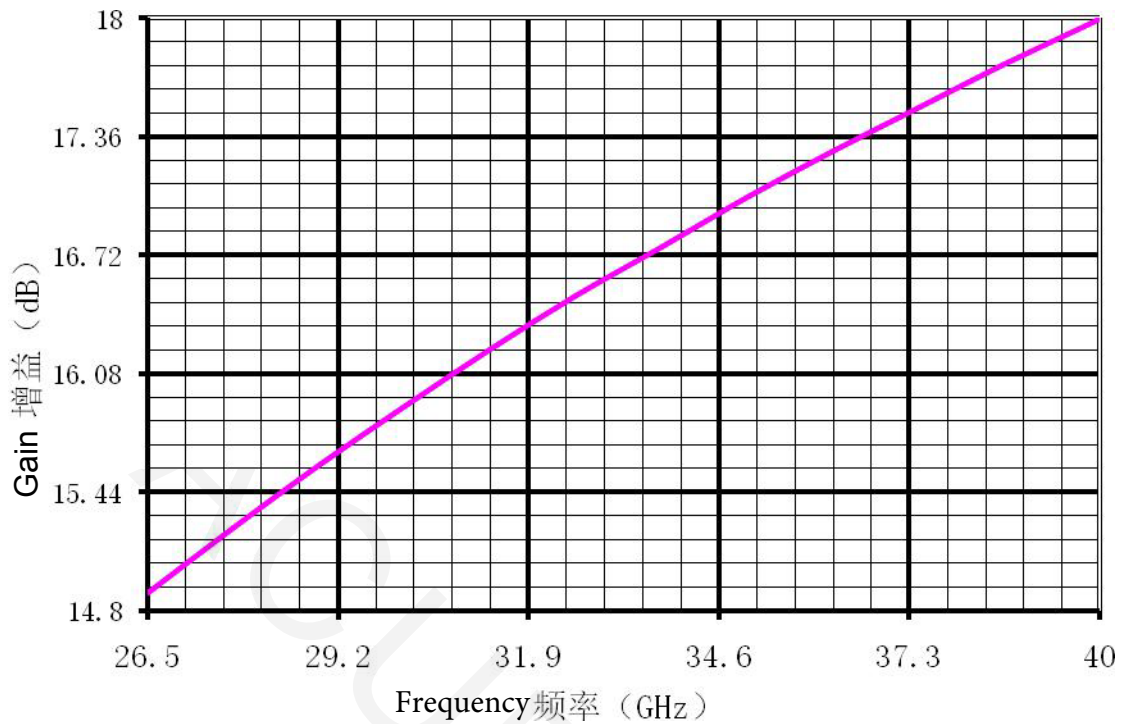
Outline (mm)

The FBP320(UBR320) waveguide flange output is also available



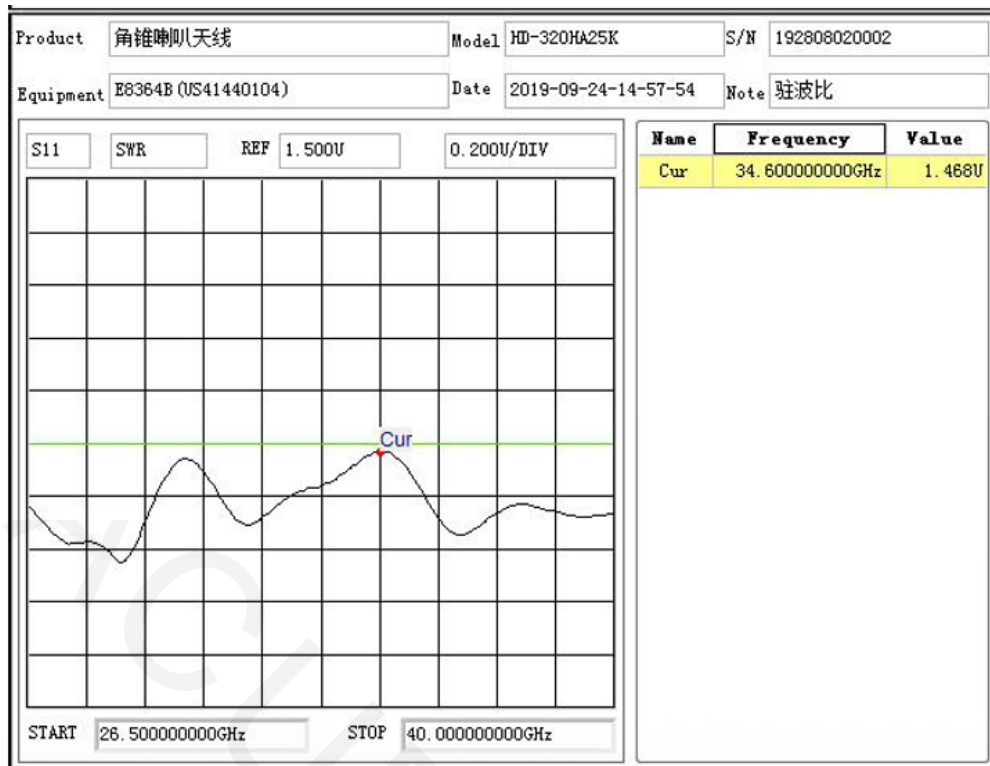
Test Result

Gain



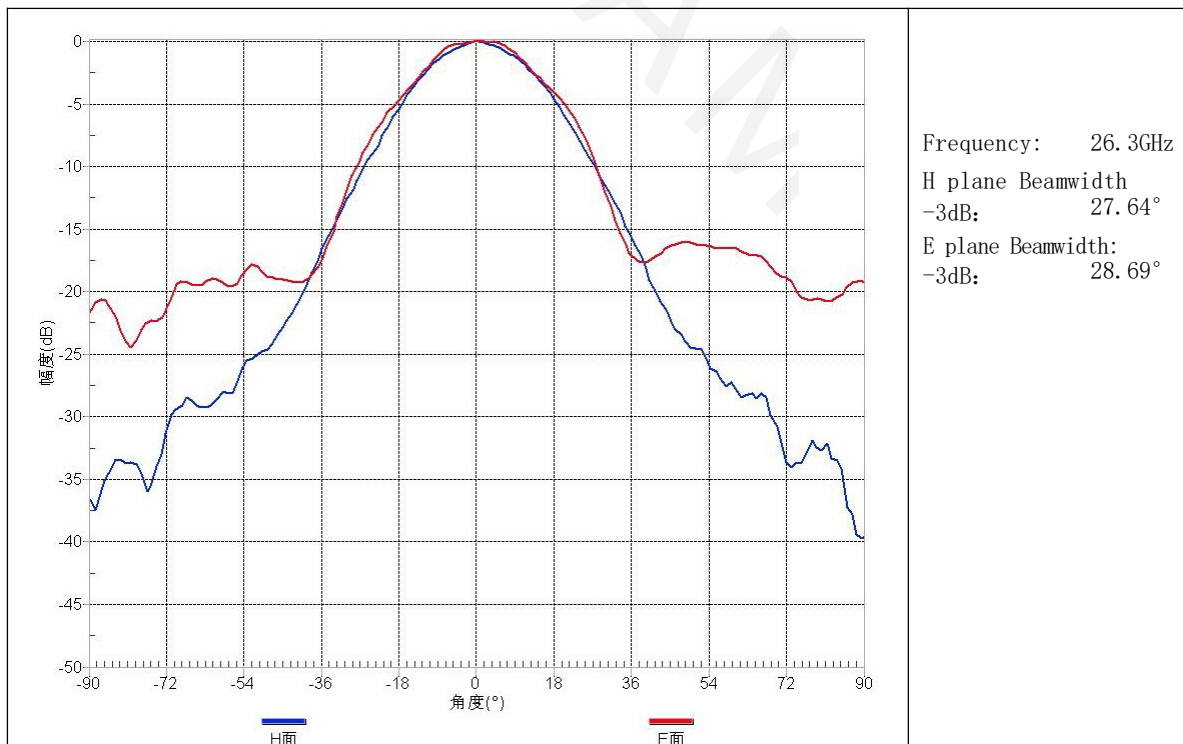
Frequency (GHz)	Gain (dBi)
26.50	14.91
27.72	15.24
28.93	15.59
30.15	15.90
31.36	16.20
32.58	16.51
33.79	16.78
35.01	17.03
36.22	17.27
37.44	17.52
38.65	17.76
40.00	18.00

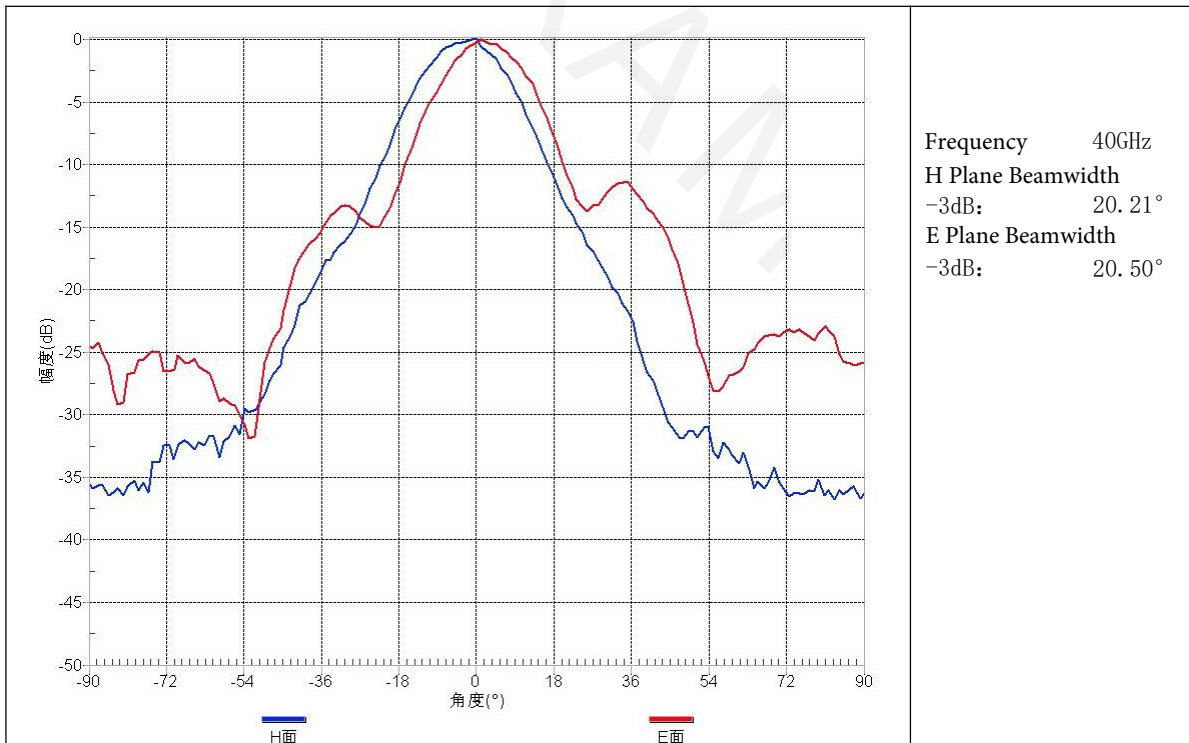
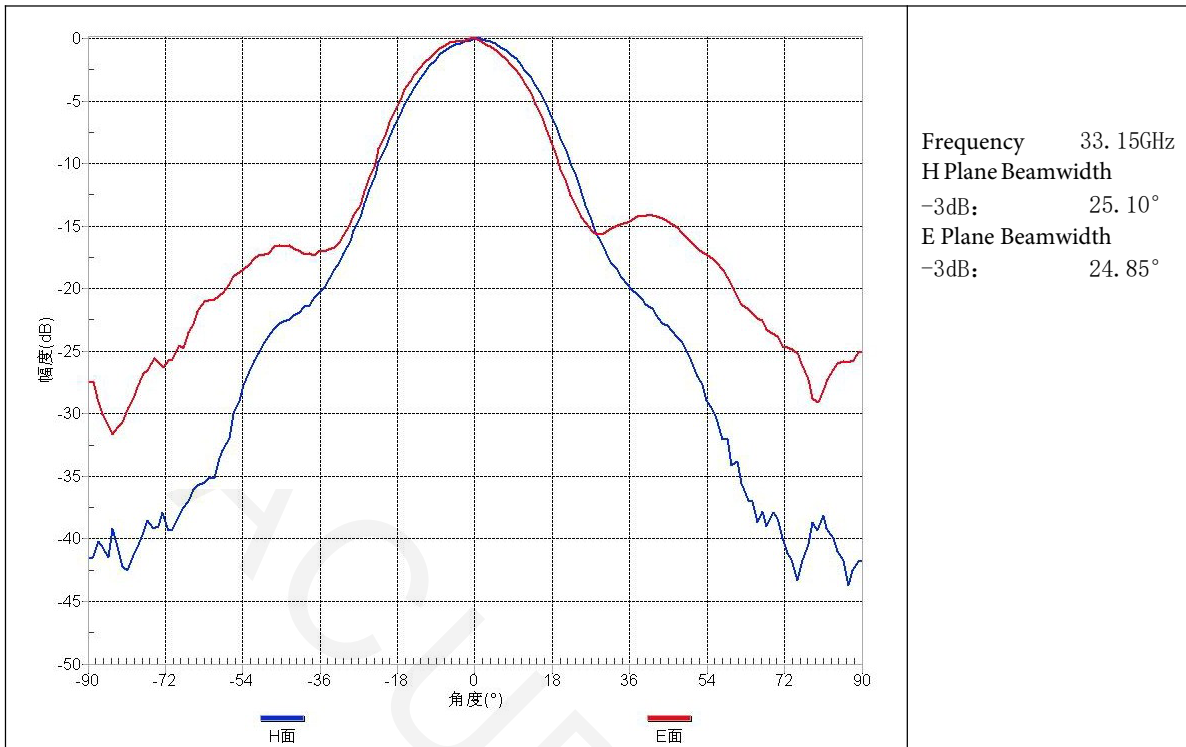
VSWR



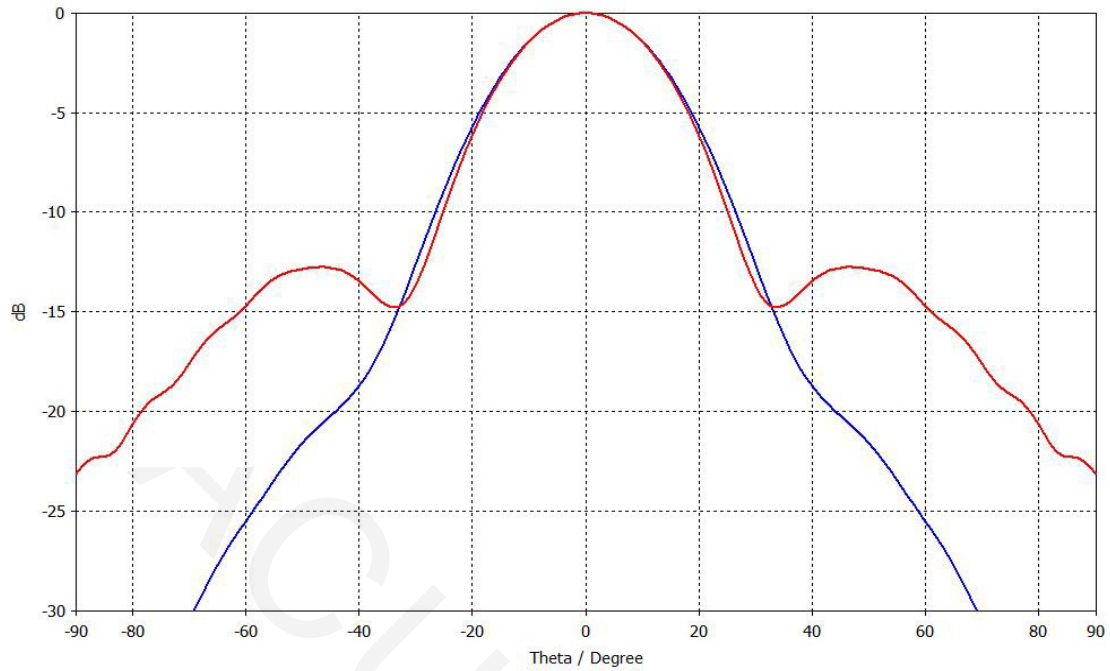
Pattern

Measured typical radiation patterns at low, medium, and high frequency points.



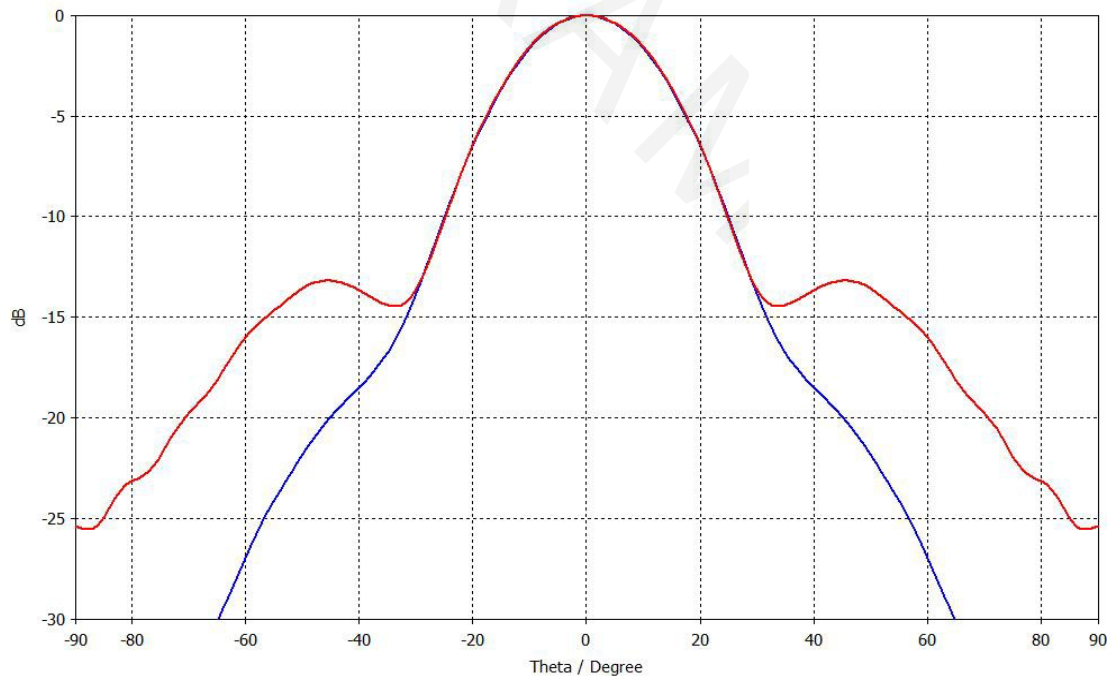


1. 1 Others Frequency Points



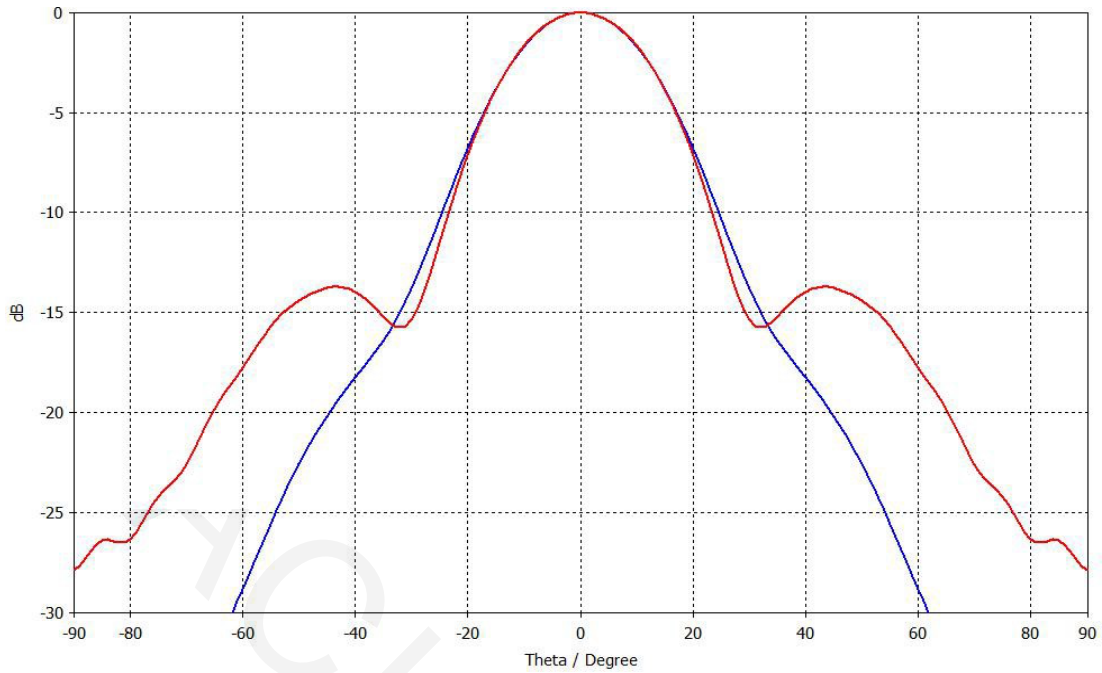
F=27.85GHz

 $2\theta_{-0.5} = 28.90^\circ$ — H plane pattern — E plane pattern $2\theta_{-0.5} = 28.40^\circ$

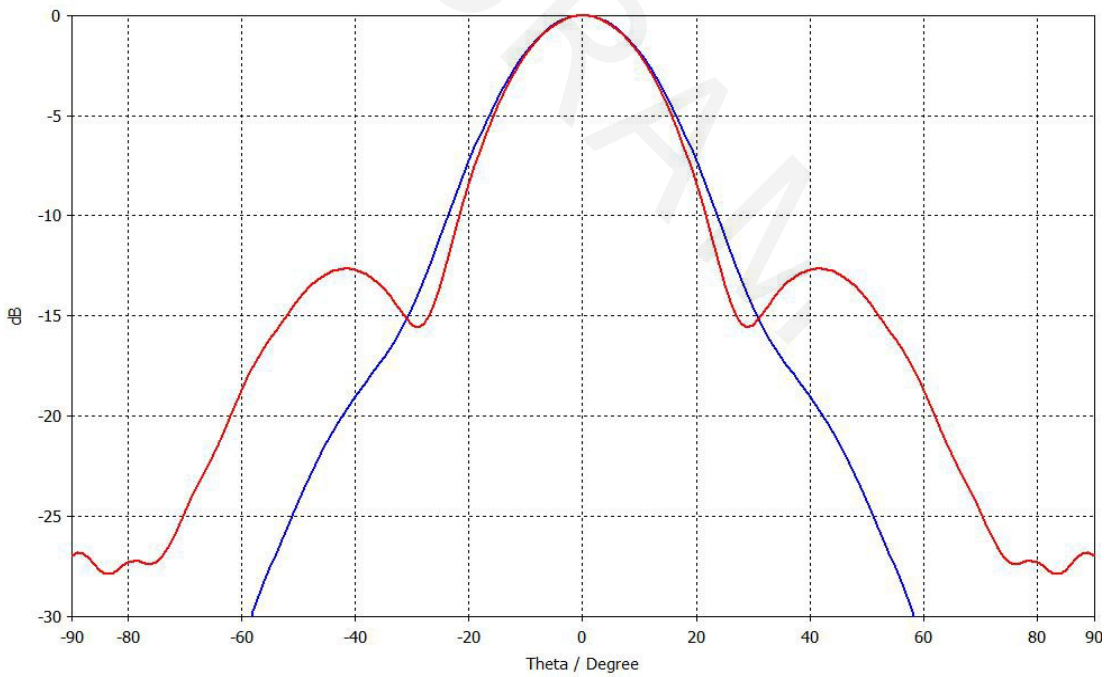


F=29.20GHz

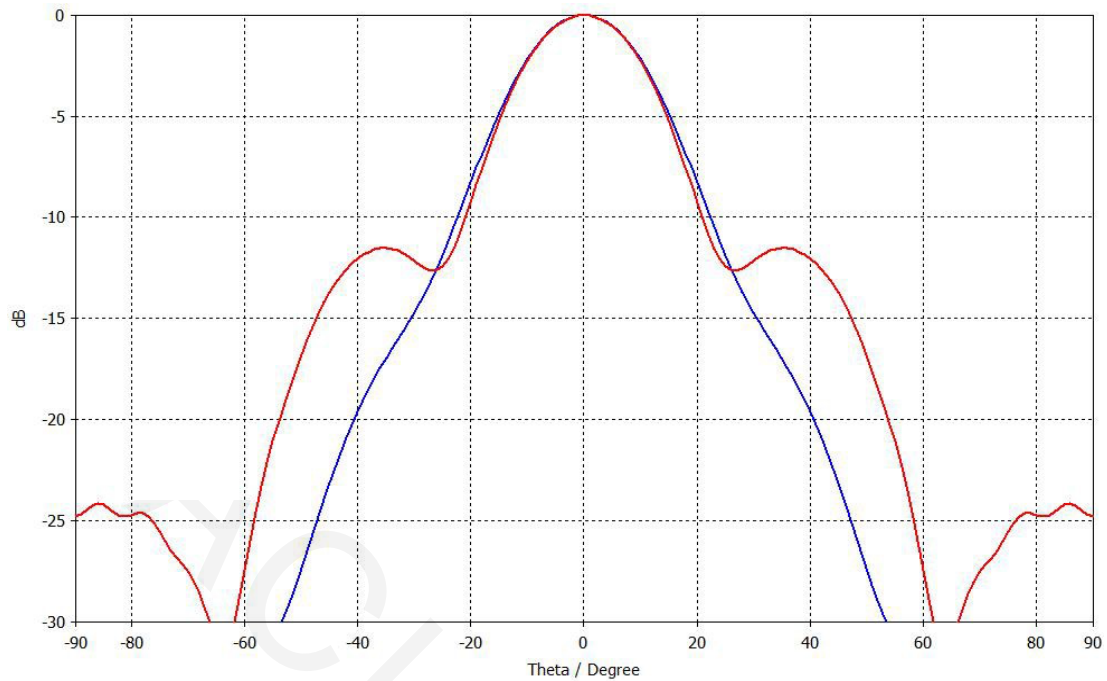
 $2\theta_{-0.5} = 27.20^\circ$ — H plane pattern — E plane pattern $2\theta_{-0.5} = 27.60^\circ$



F=30.55GHz
 $2 \theta_{-0.5} = 26.40^\circ$ H plane pattern E plane pattern $2 \theta_{-0.5} = 26.50^\circ$

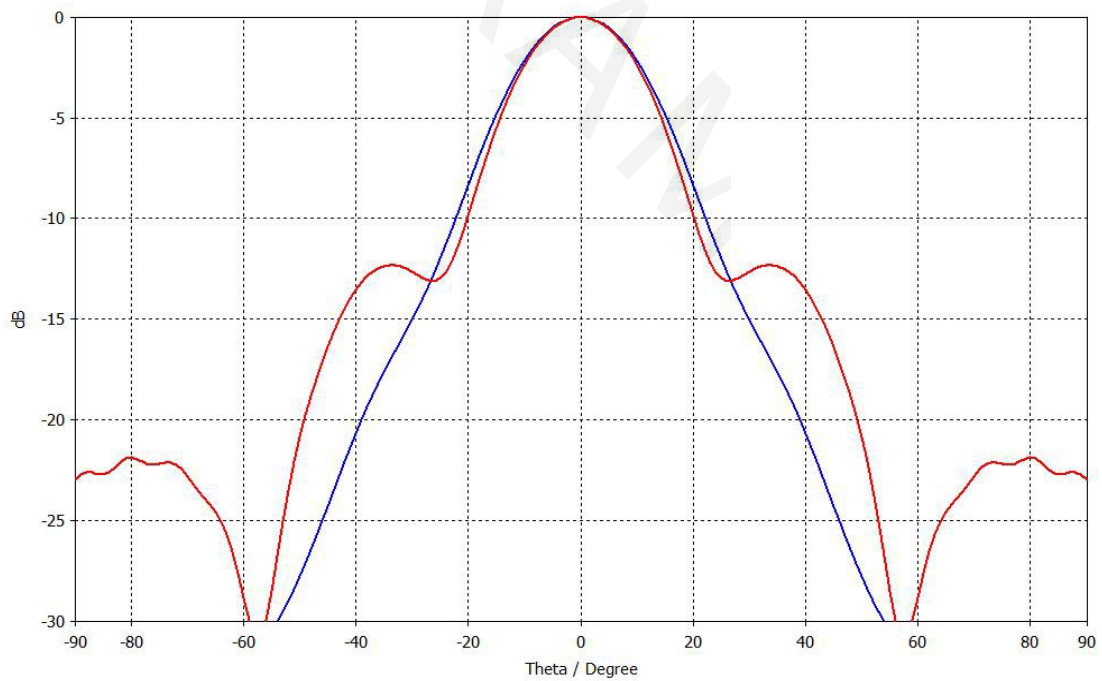


F=31.90GHz
 $2 \theta_{-0.5} = 25.60^\circ$ H plane pattern E plane pattern $2 \theta_{-0.5} = 24.70^\circ$



F=34.60GHz

 $2\theta_{-0.5} = 23.60^\circ$ H plane pattern — E 面 H plane pattern = 23.00°



F=35.95GHz

 $2\theta_{-0.5} = 23.50^\circ$ H plane pattern — E plane pattern $2\theta_{-0.5} = 22.30^\circ$

