



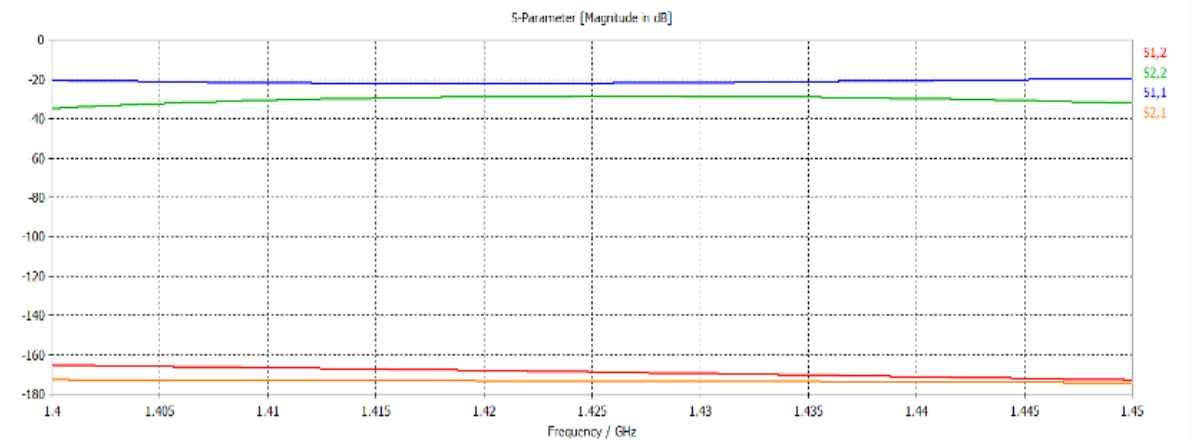
P/N: AMT-DP140145-SF

Technical Specification

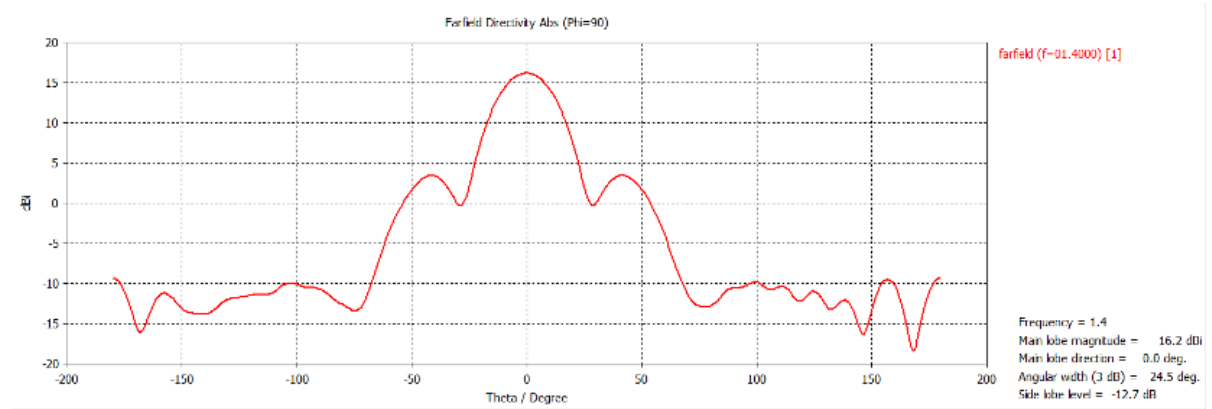
Frequency Range(GHz)	1.40-1.45
Gain(dBi)	16-17
Polarization	Dual Polarized
Port to Port Isolation(dB)	40 Min.
Cross Polarization Isolation(dB)	25 Min
3dB Beamwidth (Deg.)	30 Typ.
Impedance(Ohms)	50
Connector	N-Female
Return Loss(dB)	20 Min.
Material	Al
Size(mm)	900 x 900x 700 Max.
Weight(Kgs)	25 Max.

Test Result
Gain

Frequency	Gain(dBi) Port 1	Gain(dBi) Port 2
10	9.7	9.7
12	10.9	10.9
14	12.0	12.0
16	12.1	12.0
18	12.0	12.1
19	12.3	12.2
20	12.7	12.5
21	12.9	12.7
22	13.1	12.8
23	13.5	13.6
24	13.7	13.5
25	13.9	14.1
26	14.1	14.3
27	14.4	14.7
28	14.7	14.8
29	15.1	14.6
30	15.2	15.3
31	15.4	15.8
32	15.2	15.5
33	15.3	15.6
34	15.4	15.7
35	15.7	16.2
36	16.7	16.6
37	17.2	16.8
38	16.3	16.5
39	16.7	16.9
40	16.3	16.6

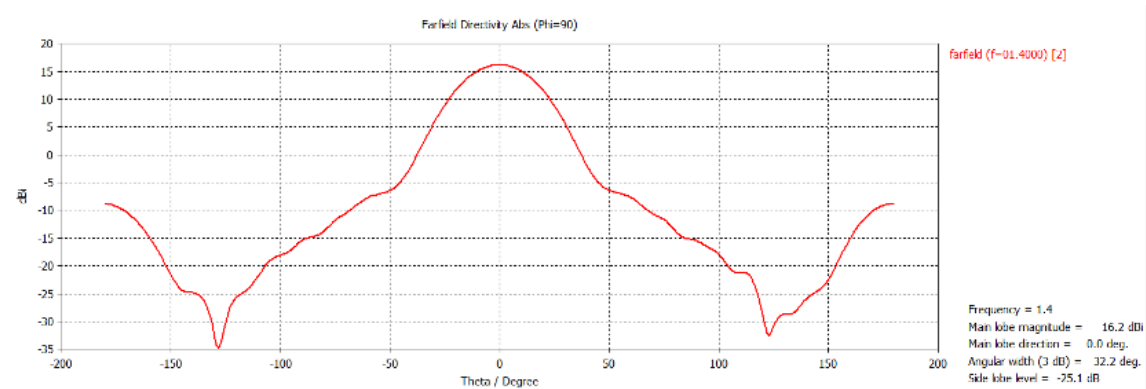


Pattern





Port to Port Isolation(dB)

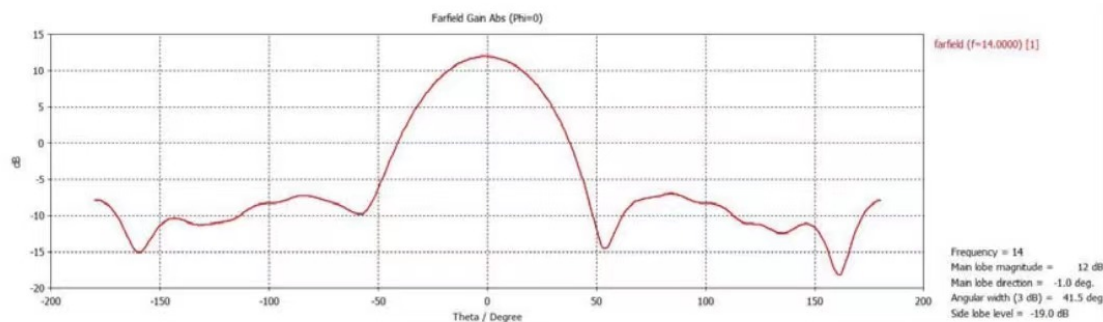


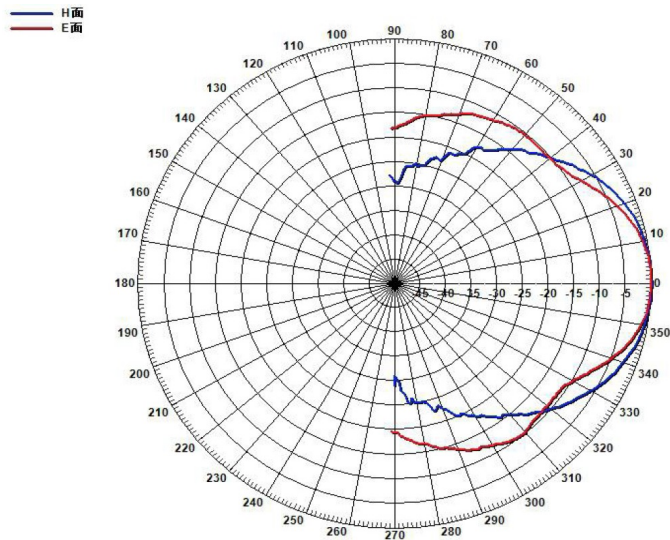
Cross Polarization Isolation(dB)



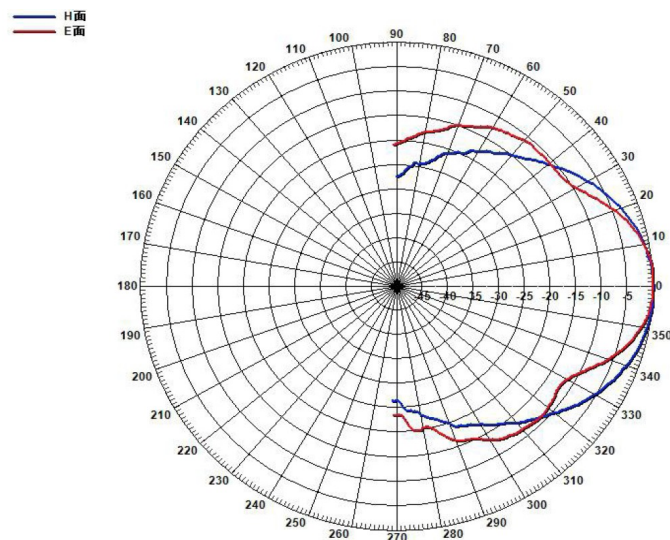
Patterns

Frequency :14GHz

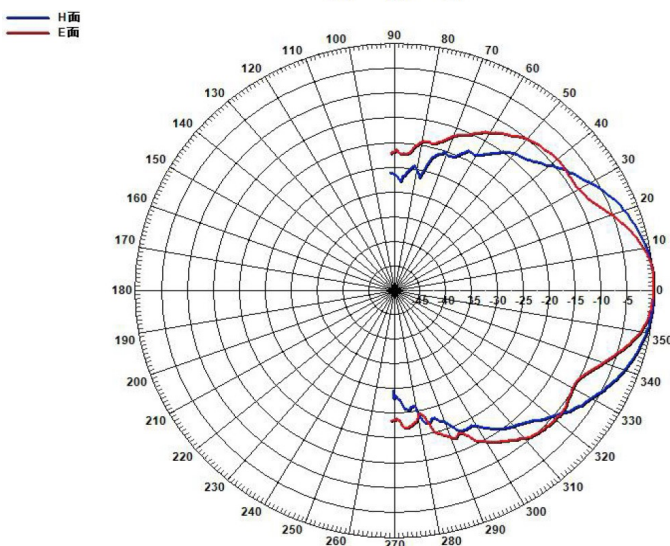




端 口: 1
频 率: 18GHz
增 益: 12.03 dB
H 面波束宽度:
-3dB: 42.78°
E 面波束宽度:
-3dB: 32.61°



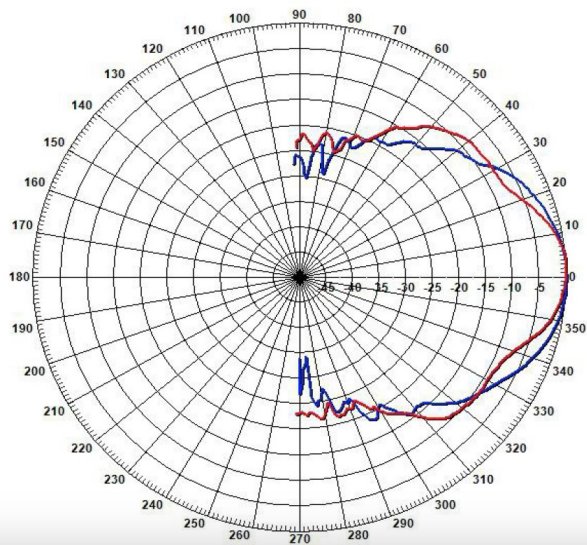
端 口: 1
频 率: 20GHz
增 益: 12.7 dB
H 面波束宽度:
-3dB: 40.23°
E 面波束宽度:
-3dB: 29.77°



端 口: 1
频 率: 22GHz
增 益: 13.1 dB
H 面波束宽度:
-3dB: 41.02°
E 面波束宽度:
-3dB: 26.96°

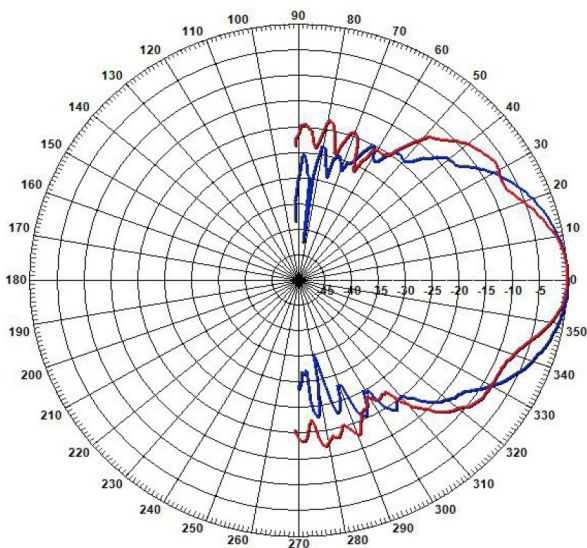


— H面
— E面



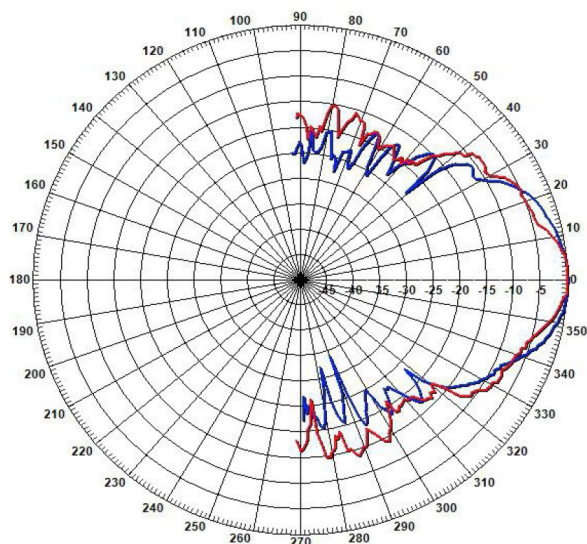
端 口: 1
频 率: 24GHz
增 益: 13.7 dB
H 面波束宽度:
-3dB: 36.91°
E 面波束宽度:
-3dB: 26.00°

— H面
— E面



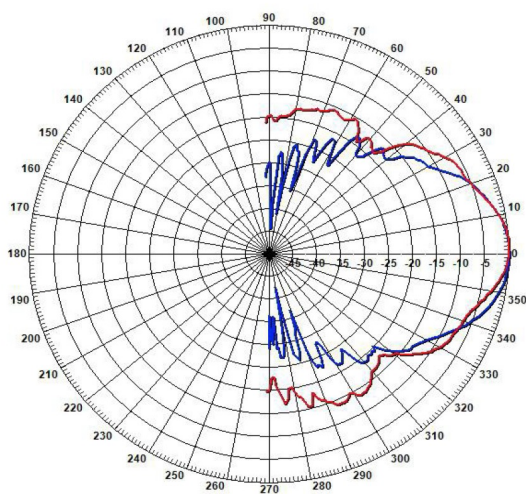
端 口: 1
频 率: 26GHz
增 益: 14.1 dB
H 面波束宽度:
-3dB: 35.14°
E 面波束宽度:
-3dB: 25.33°

— H面
— E面



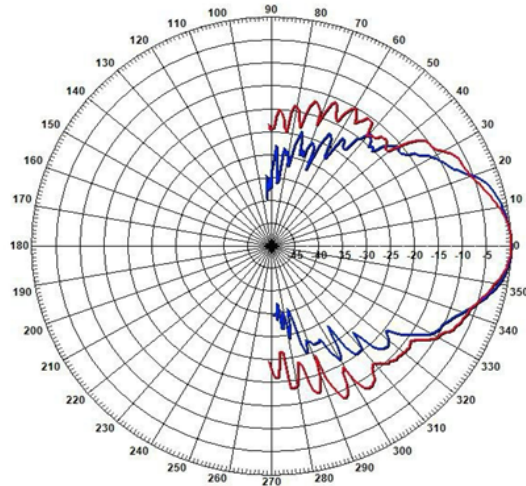
端 口: 1
频 率: 28GHz
增 益: 14.7 dB
H 面波束宽度:
-3dB: 33.03°
E 面波束宽度:
-3dB: 22.56°

— H面
— E面



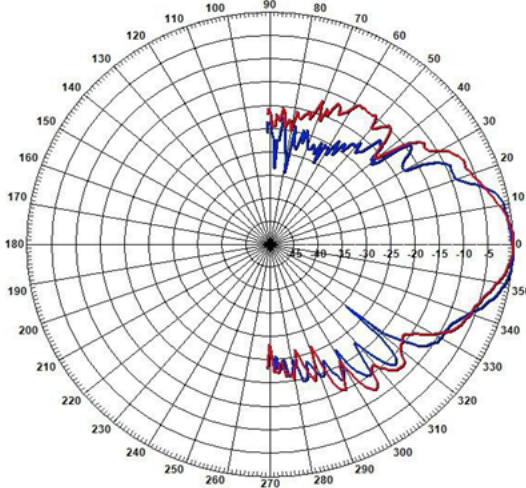
端口: 1
频率: 30GHz
增益: 15.2 dB
H面波束宽度:
-3dB: 28.71°
E面波束宽度:
-3dB: 23.60°

— H面
— E面

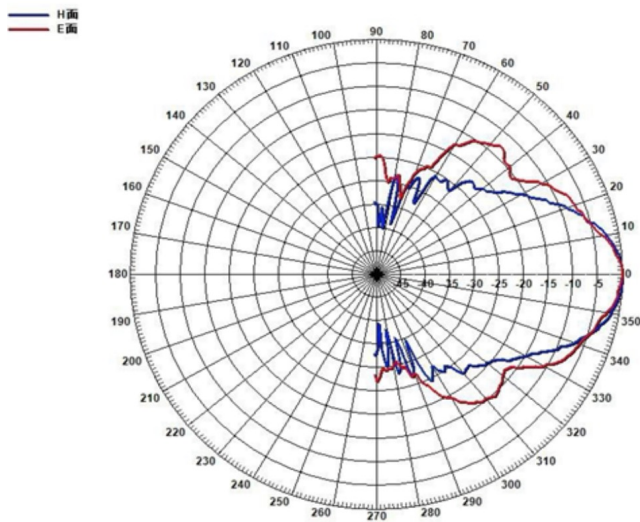


端口: 1
频率: 32GHz
增益: 15.2 dB
H面波束宽度:
-3dB: 28.65°
E面波束宽度:
-3dB: 23.53°

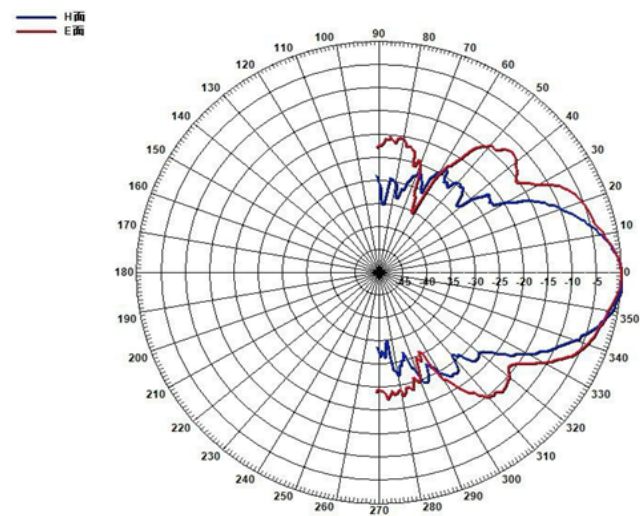
— H面
— E面



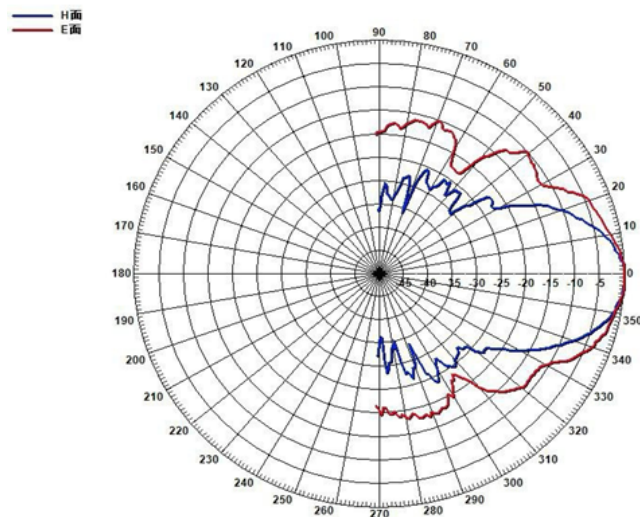
端口: 1
频率: 34GHz
增益: 15.4 dB
H面波束宽度:
-3dB: 28.80°
E面波束宽度:
-3dB: 23.17°



端 口: 1.
 频 率: 36GHz.
 增 益: 16.7-dB
 H-面波束宽度: 23.25°
 -3dB: .
 E-面波束宽度: 20.32°
 -3dB: .



端 口: 1.
 频 率: 36GHz.
 增 益: 16.3-dB
 H-面波束宽度: 22.00°
 -3dB: .
 E-面波束宽度: 24.00°
 -3dB: .



端 口: 1.
 频 率: 40GHz.
 增 益: 16.3-dB
 H-面波束宽度: 22.04°
 -3dB: .
 E-面波束宽度: 29.60°
 -3dB: .