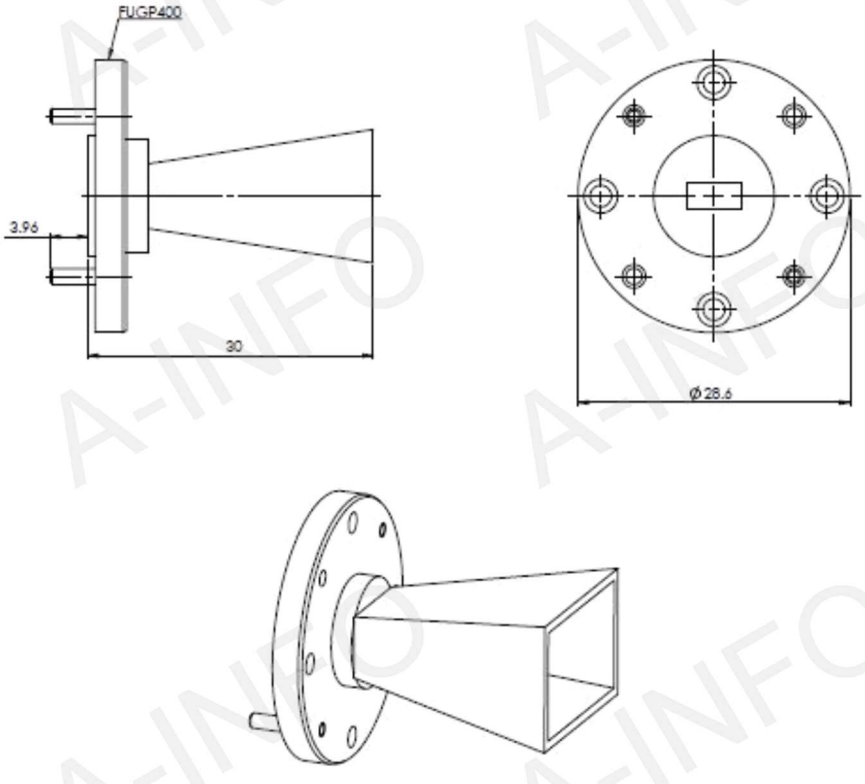
Technical Specification

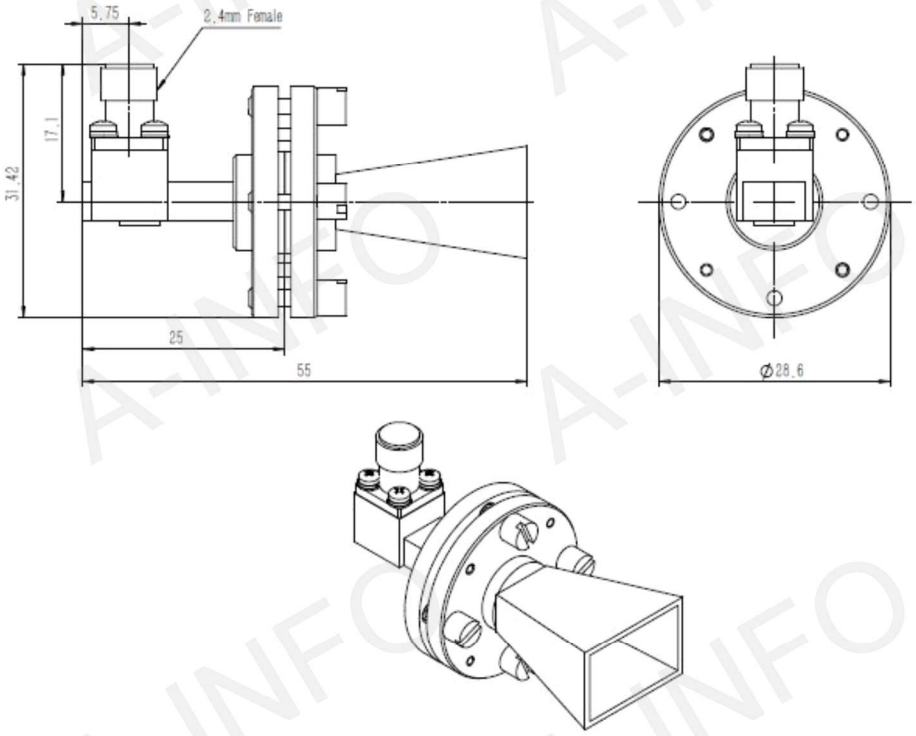
Frequency Range(GHz)	A Type, WG output	33.0 - 50.0
	C Type, 2.4mm-F	33.0 - 50.0
Gain(dB)	15 Typ.	
3dB Beamwidth(deg)	30 Typ.	
Waveguide	WR22	
Material	Cu	
Output	A Type FUGP400(UG-383/U)	
	C Type 2.4mm-F	
Size(mm) W x H x L	A Type, WG output	Φ28.6x30
	C Type, 2.4mm-F	28.6x31.42x55
Net Weight(Kg)	A Type, WG output	0.05 Around
	C Type, 2.4mm-F	0.10 Around

Outline Drawing (Size: mm)

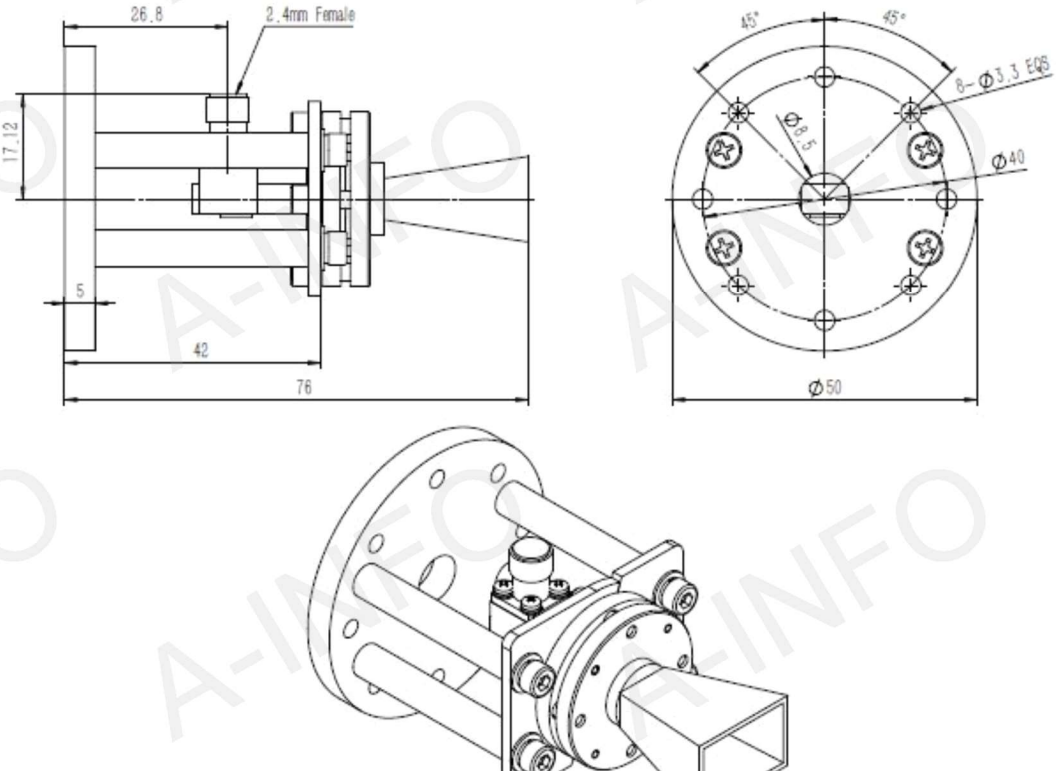
A Type(with FUGP400(UG-383/U) output)



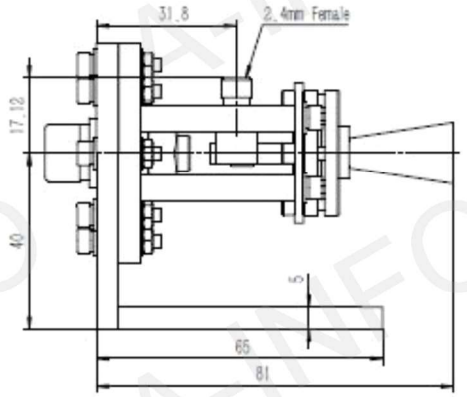
C Type(with 2.4mm Female output)

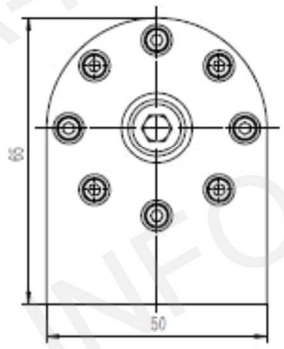


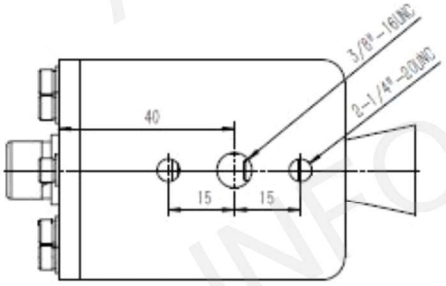
C Type(with Round Mounting Bracket)

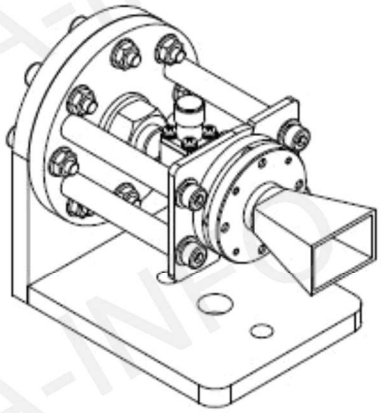


C Type(with L type Mounting Bracket)

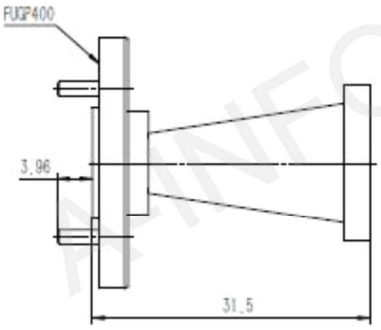


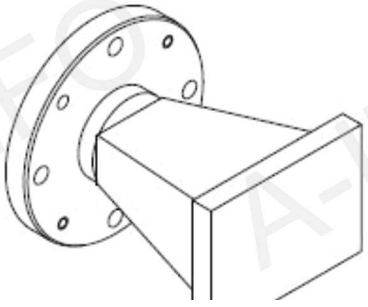




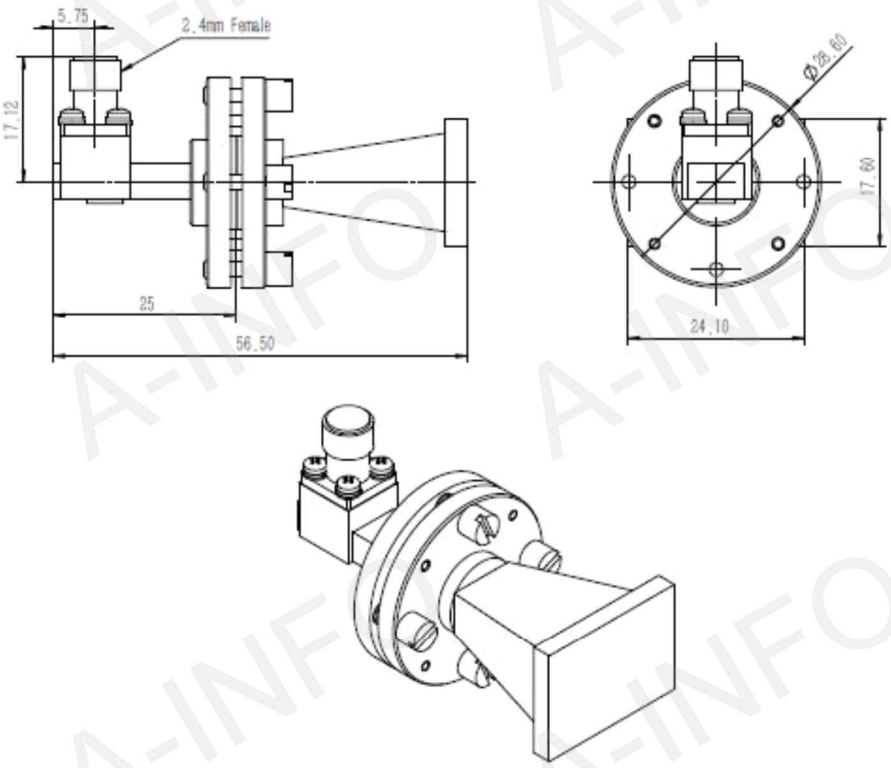


A Type(with Radome)

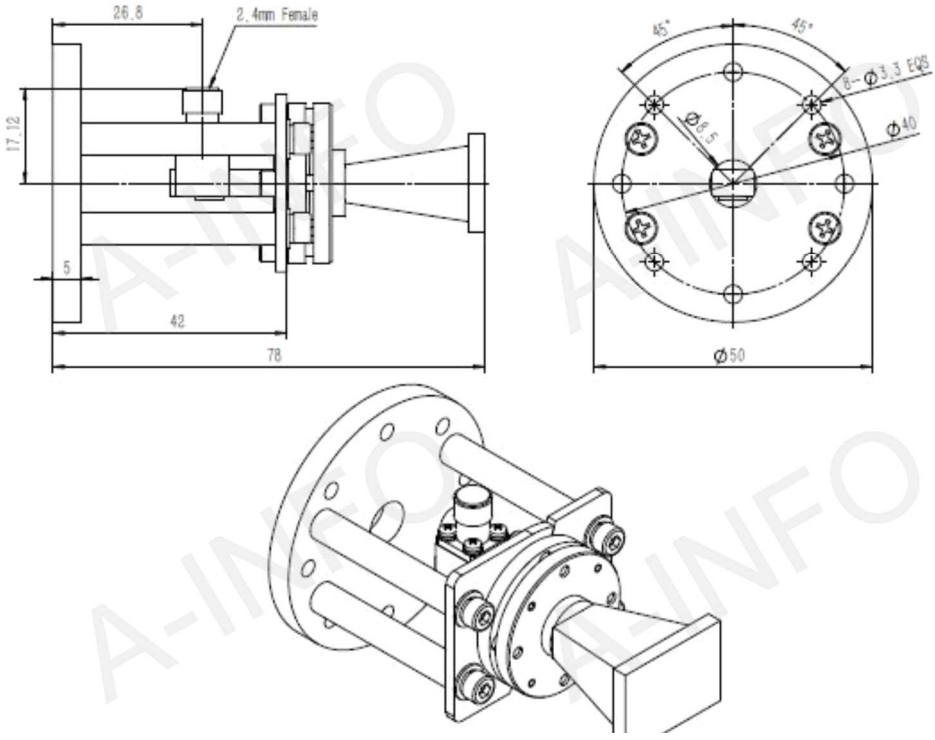




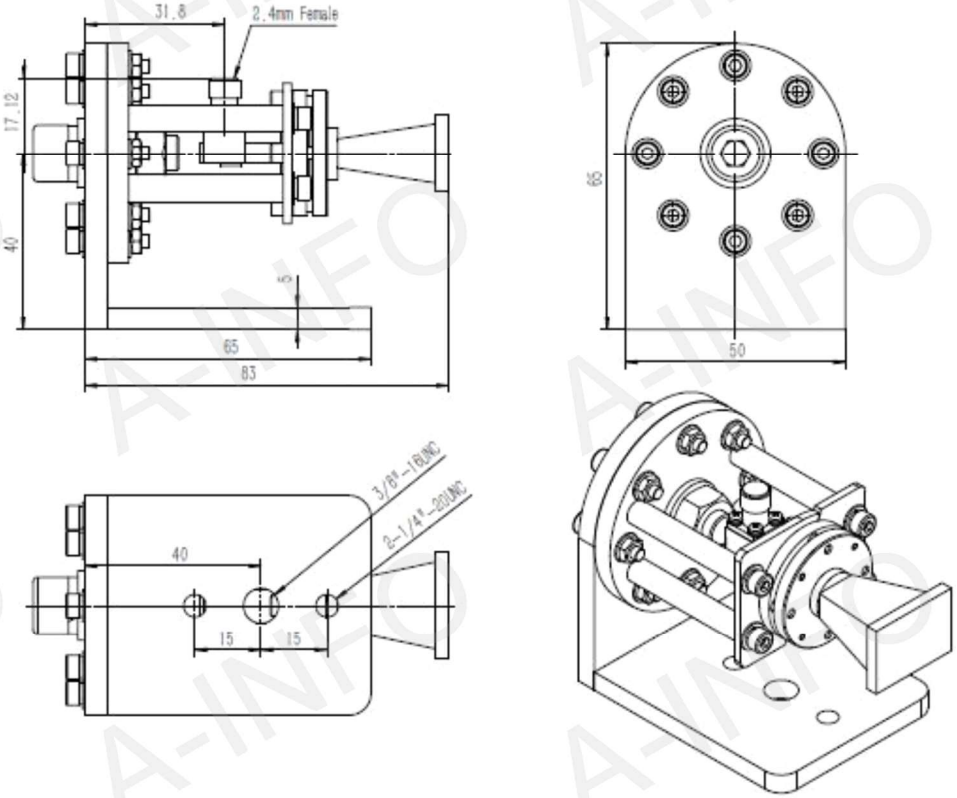
C Type(with Radome)



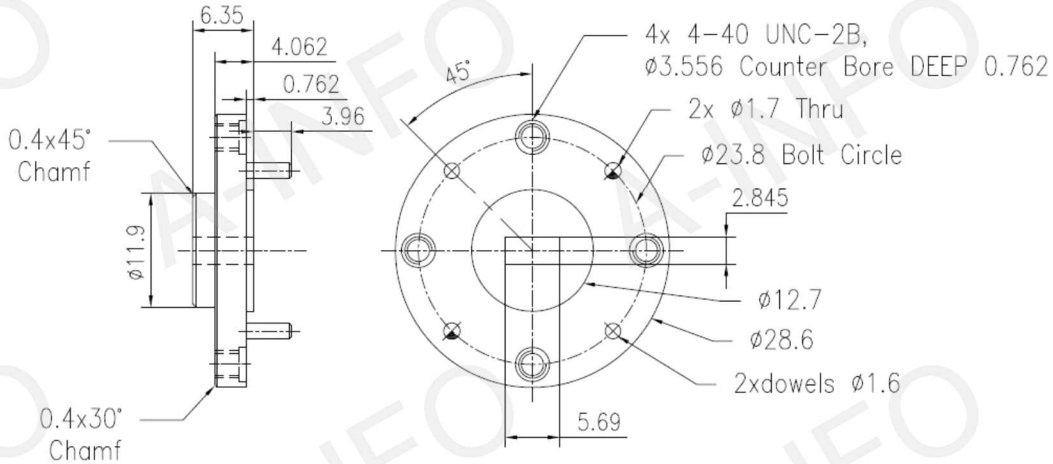
C Type(with Round Mounting Bracket and Radome)



C Type(with L type Mounting Bracket and Radome)



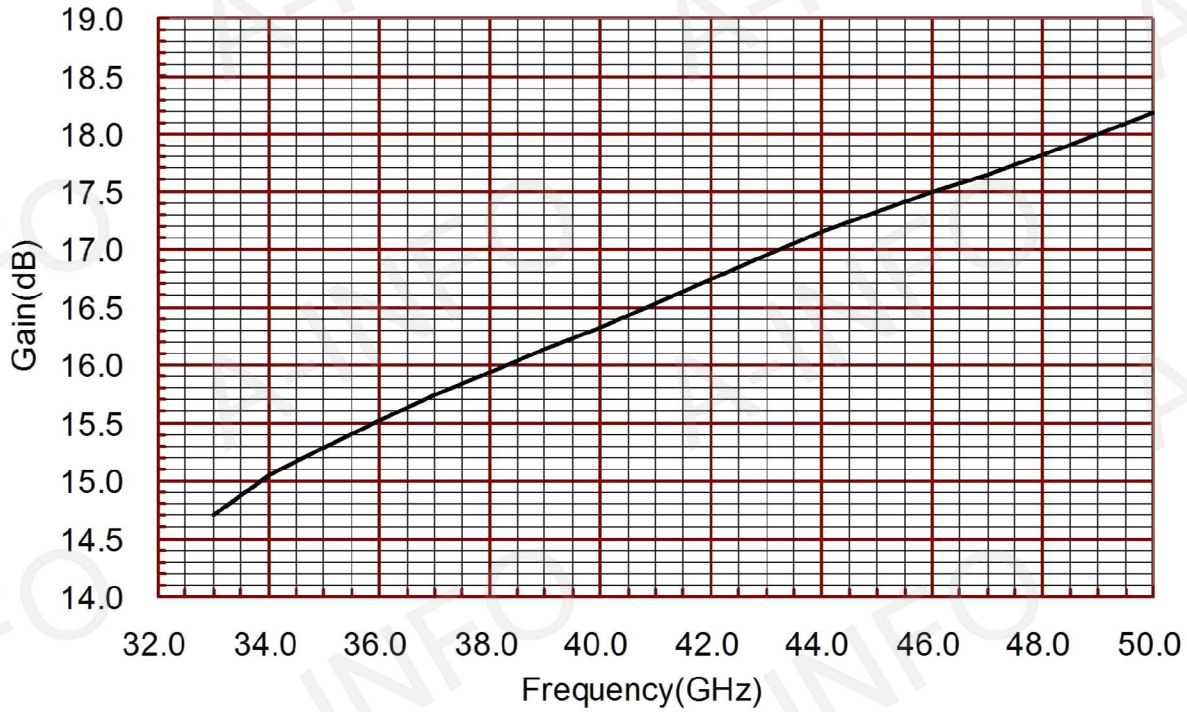
Flange Drawing (Size: mm)

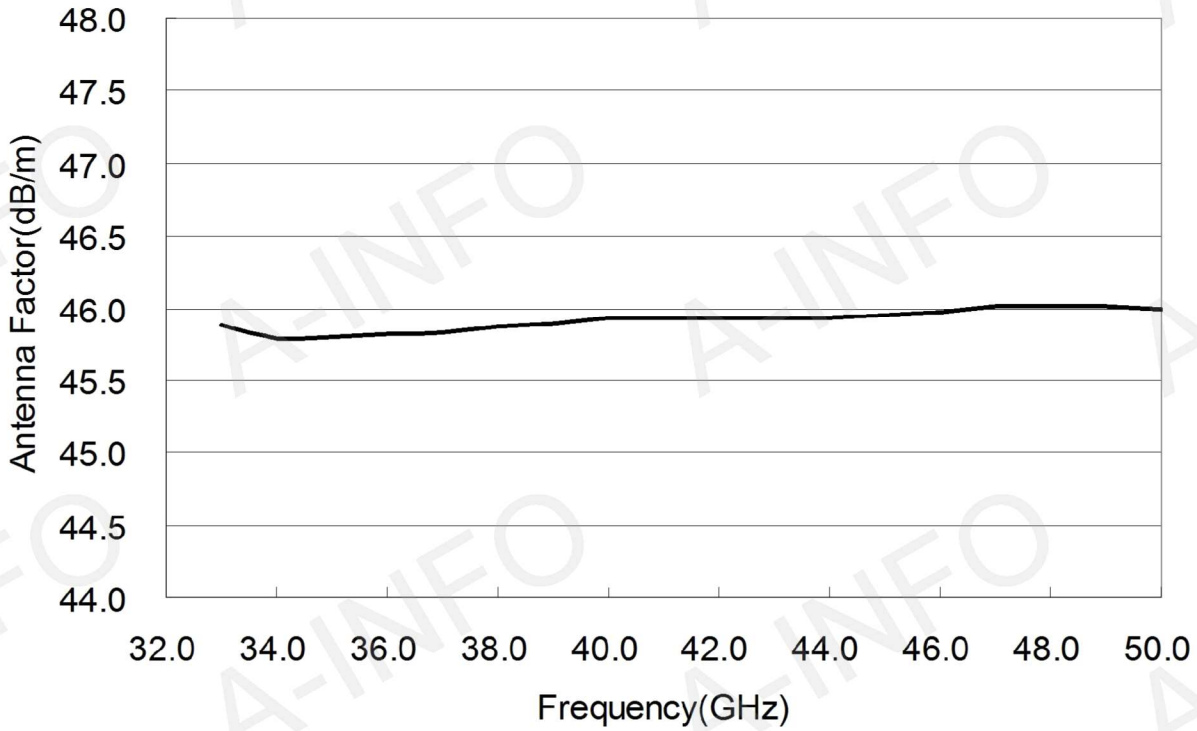


FUGP400
(equivalent to UG-383/U)

Test Results

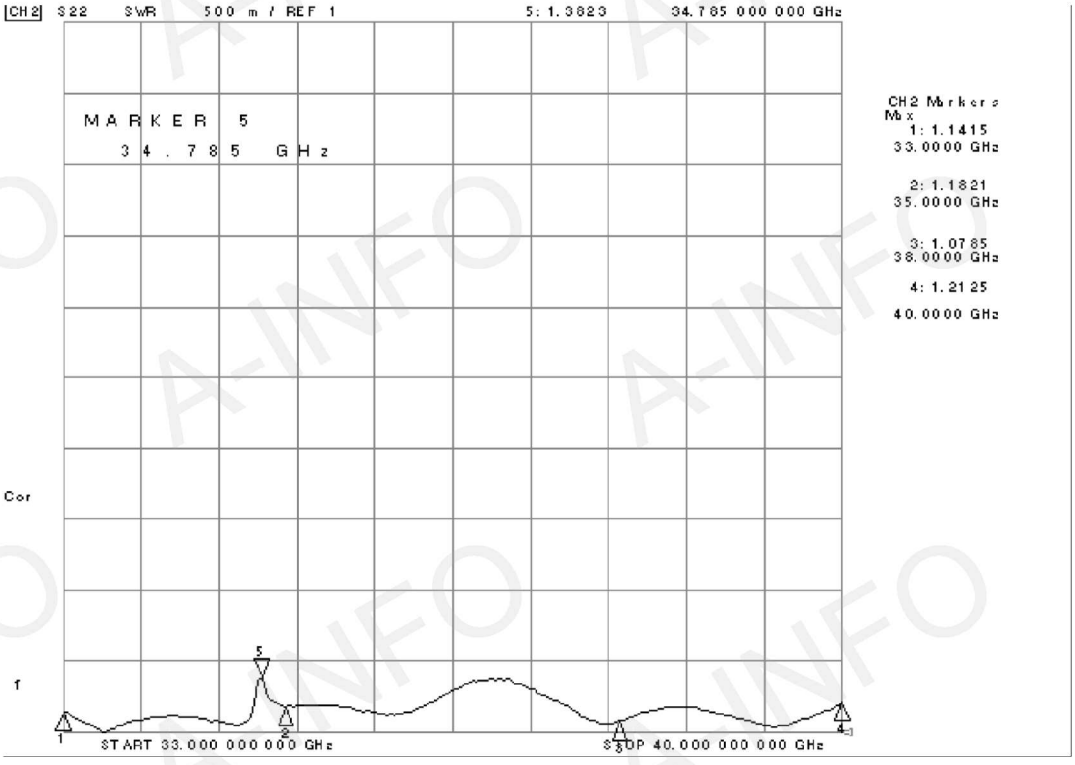
1. Gain and Antenna Factor





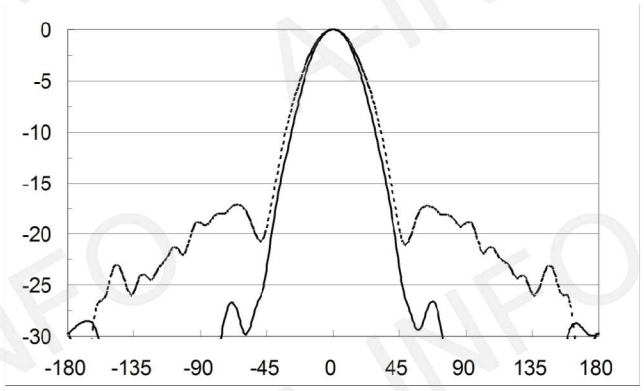
Frequency(GHz)	Gain(dB)	Antenna Factor(dB/m)
33.0	14.70	45.88
34.0	15.05	45.79
35.0	15.29	45.80
36.0	15.52	45.82
37.0	15.74	45.83
38.0	15.94	45.87
39.0	16.14	45.89
40.0	16.32	45.93
41.0	16.53	45.94
42.0	16.74	45.93
43.0	16.95	45.93
44.0	17.15	45.93
45.0	17.32	45.95
46.0	17.49	45.98
47.0	17.64	46.01
48.0	17.82	46.01
49.0	18.00	46.01
50.0	18.19	46.00

2. VSWR



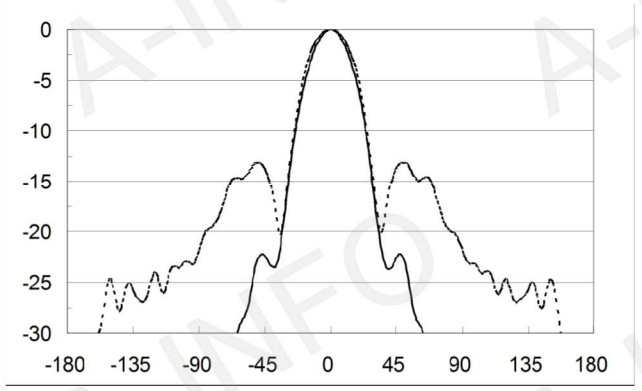
3. Pattern

Frequency: 33.0GHz



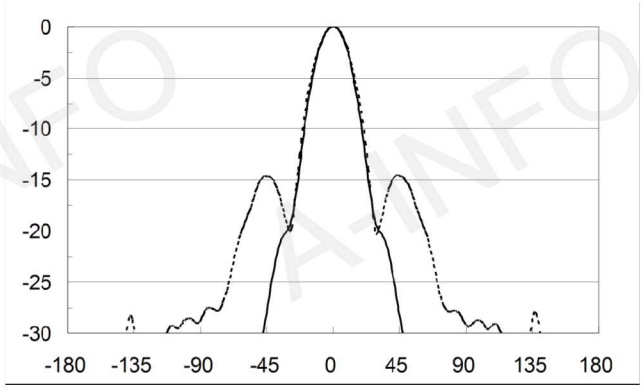
3dB Beamwidth (deg): 31.05 3dB Beamwidth (deg): 34.95

Frequency: 41.5GHz



3dB Beamwidth (deg): 26.85 3dB Beamwidth (deg): 30.70

Frequency: 50.0GHz



3dB Beamwidth (deg): 22.00 3dB Beamwidth (deg): 22.85