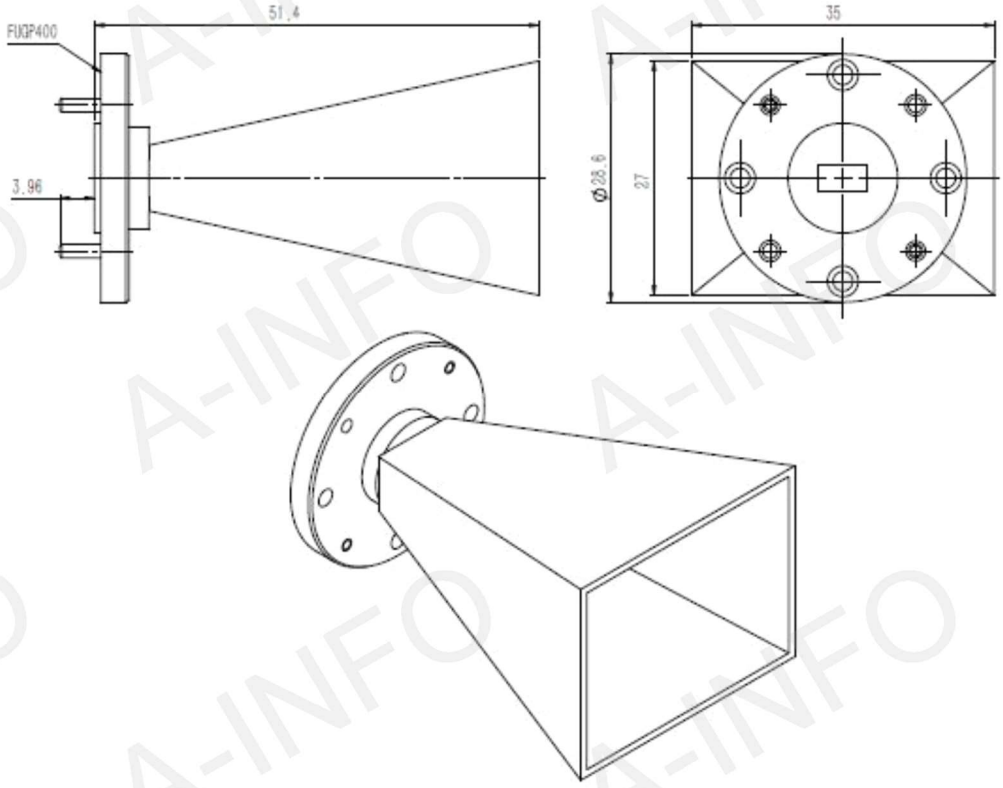
Technical Specification

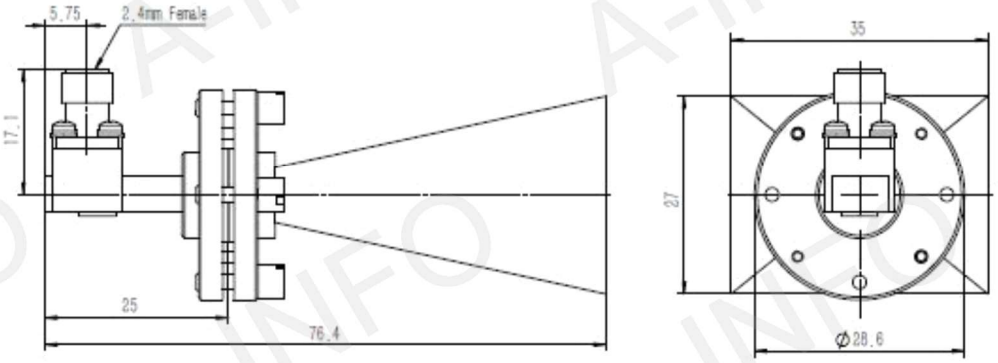
Frequency Range(GHz)	A Type, WG output	33.0 - 50.0
	C Type, 2.4mm-F	33.0 - 50.0
Gain(dB)	20 Typ.	
3dB Beamwidth(deg)	18 Typ.	
Waveguide	WR22	
Material	Cu	
Output	A Type FUGP400(UG-383/U)	
	C Type 2.4mm-F	
Size(mm) W x H x L	A Type, WG output	35x28.6x51.4
	C Type, 2.4mm-F	35x31.4x76.4
Net Weight(Kg)	A Type, WG output	0.06 Around
	C Type, 2.4mm-F	0.11 Around

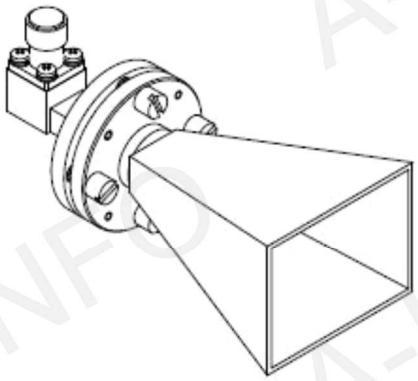
Outline Drawing (Size: mm)

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

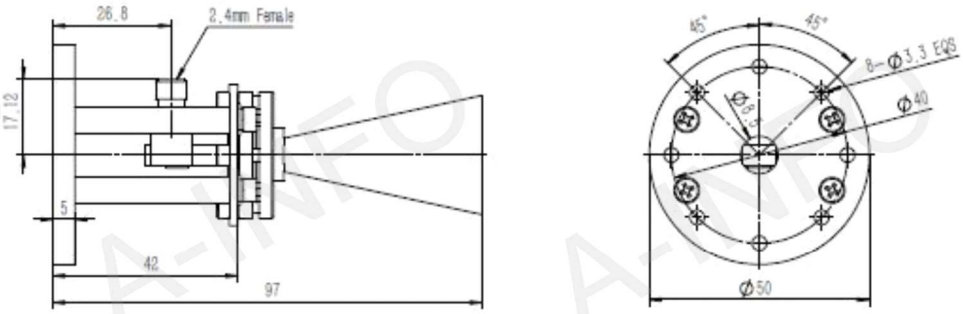


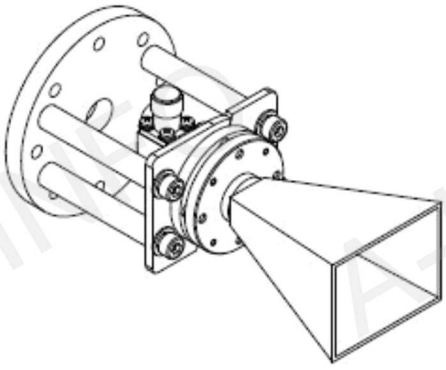
C Type(with 2.4mm Female output)



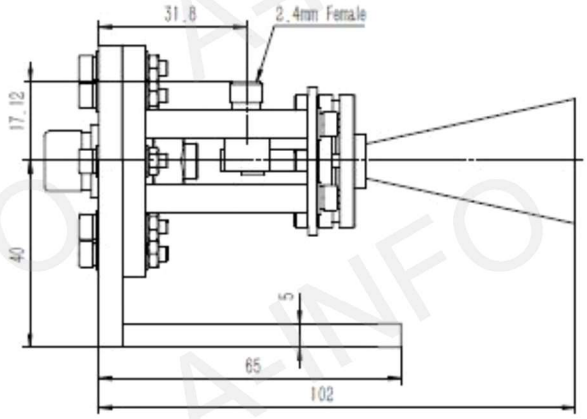


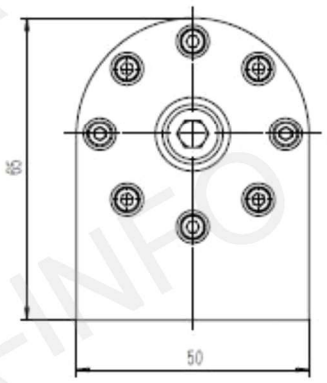
C Type(with Round Mounting Bracket)

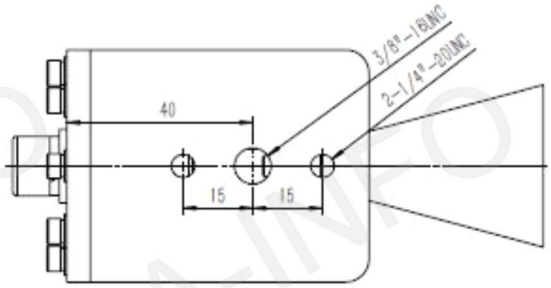


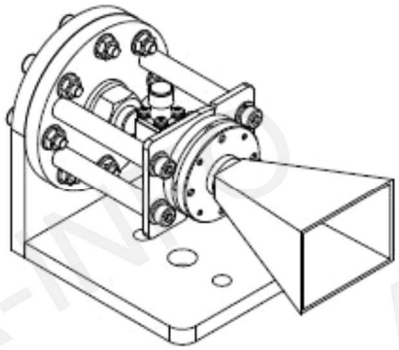


C Type(with L type Mounting Bracket)

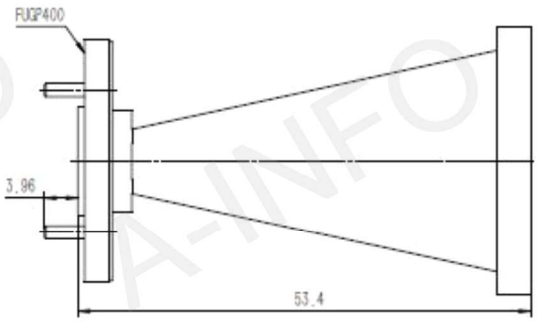


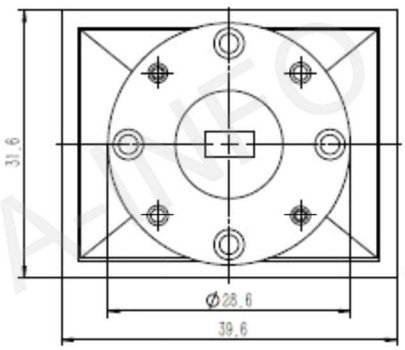


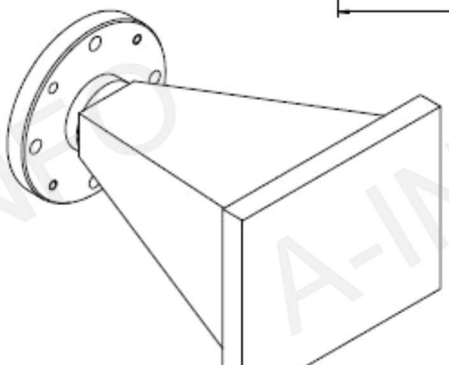




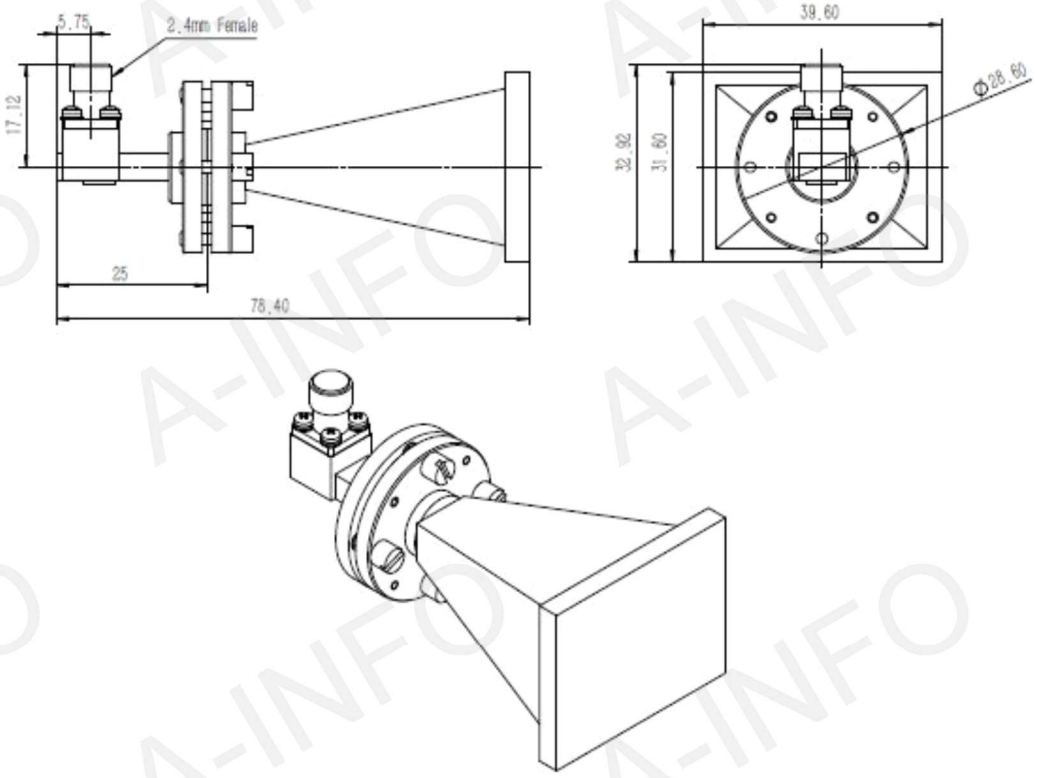
A Type(with Radome)



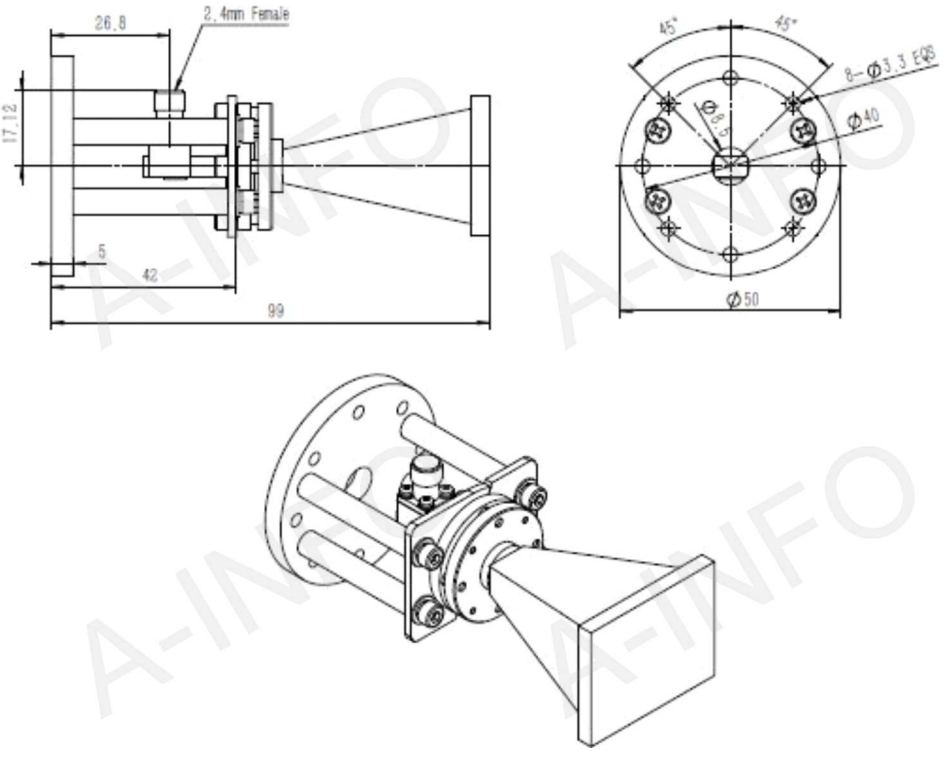




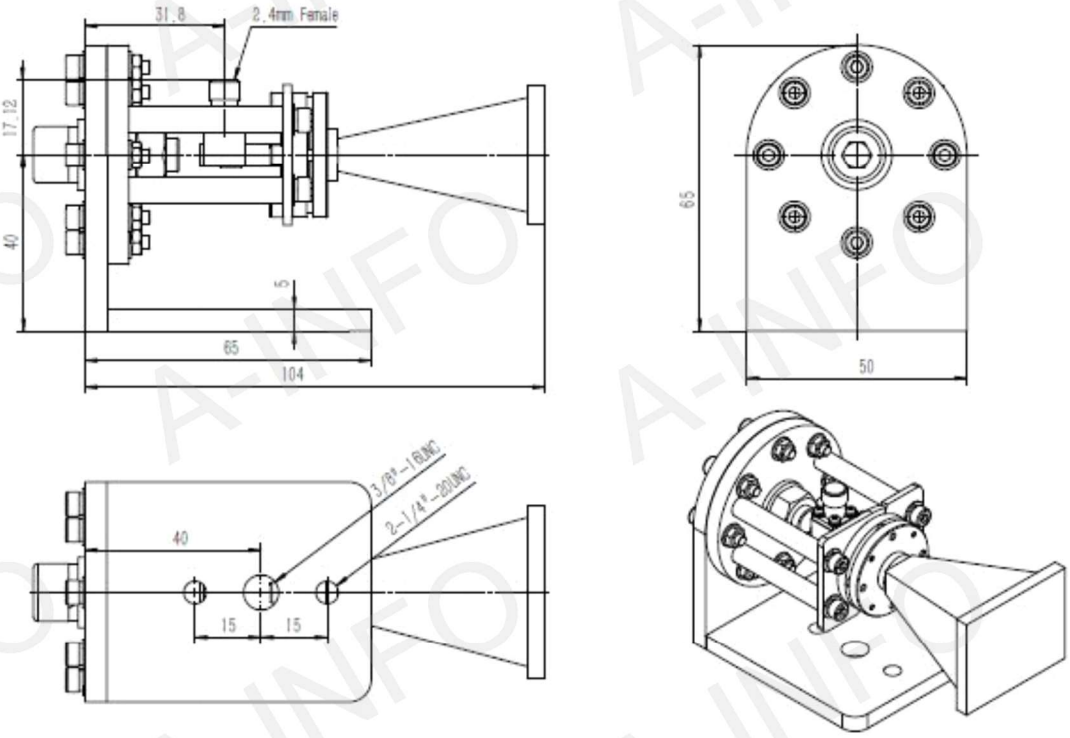
C Type(with Radome)



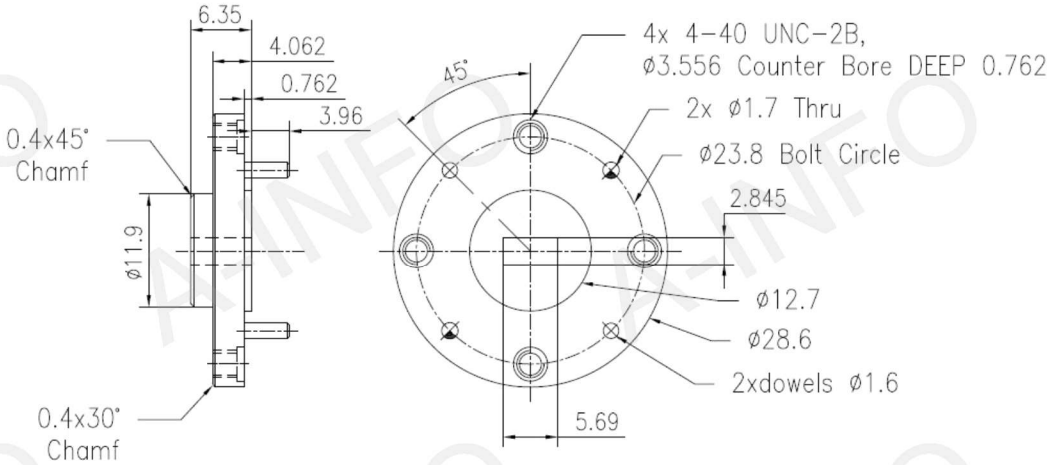
C Type(with Round Mounting Bracket and Radome)



C Type(with L type Mounting Bracket and Radome)



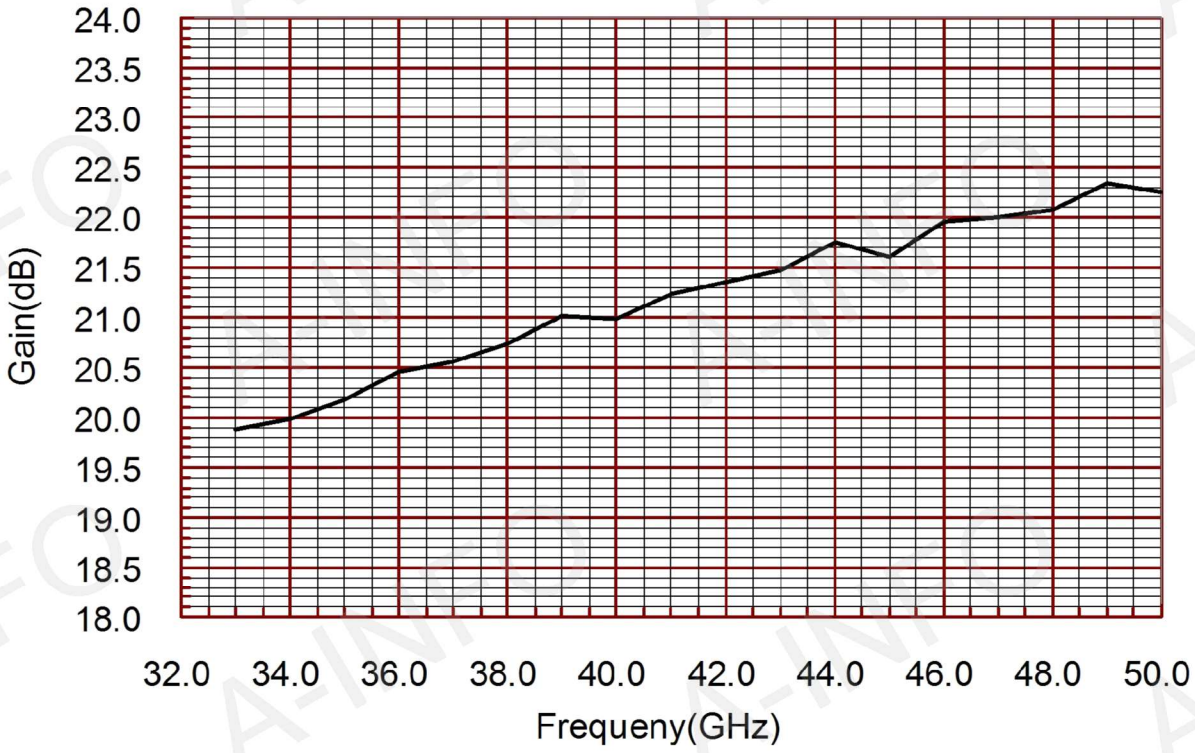
Flange Drawing (Size: mm)

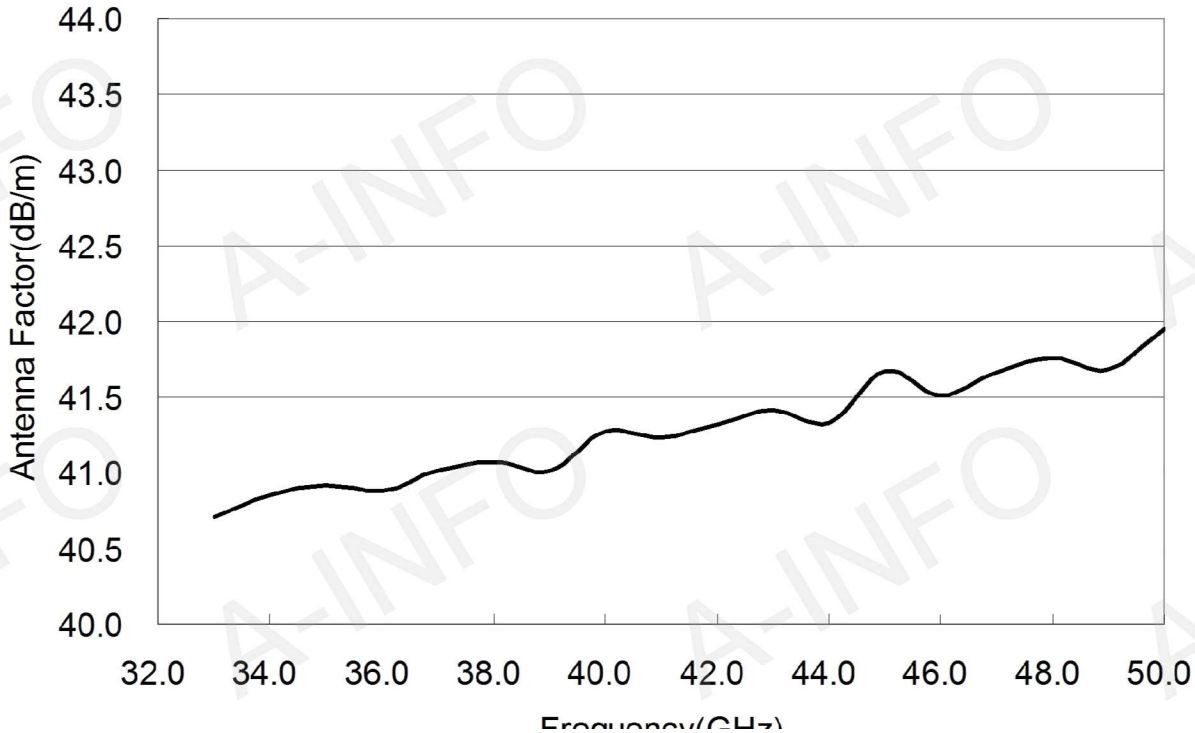


FUGP400
(equivalent to UG-383/U)

Test Results

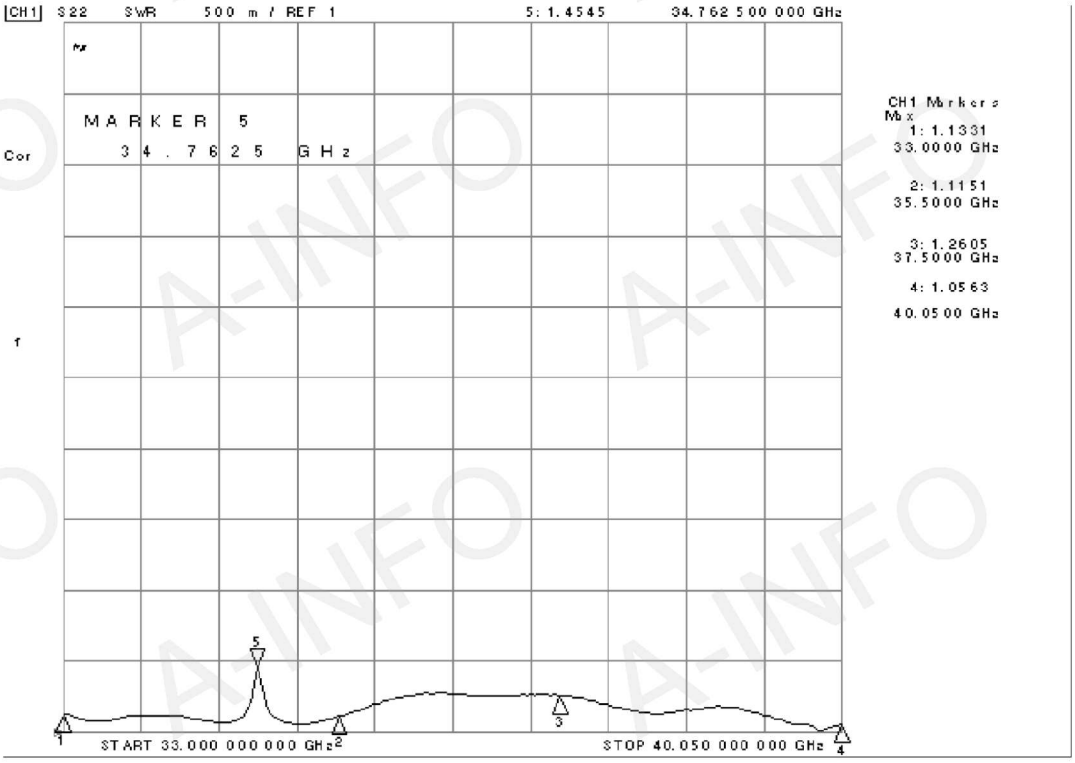
1. Gain and Antenna Factor





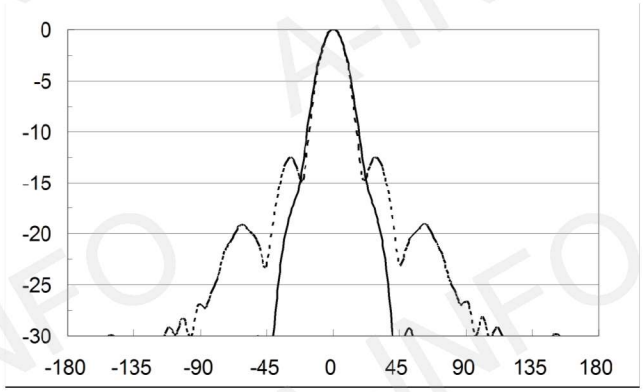
Frequency(GHz)	Gain(dB)	Antenna Factor(dB/m)
33.0	19.88	40.70
34.0	19.99	40.85
35.0	20.17	40.92
36.0	20.46	40.88
37.0	20.56	41.02
38.0	20.74	41.07
39.0	21.02	41.01
40.0	20.98	41.27
41.0	21.24	41.23
42.0	21.36	41.32
43.0	21.47	41.41
44.0	21.75	41.33
45.0	21.60	41.67
46.0	21.96	41.51
47.0	21.99	41.66
48.0	22.08	41.76
49.0	22.34	41.68
50.0	22.25	41.94

2. VSWR



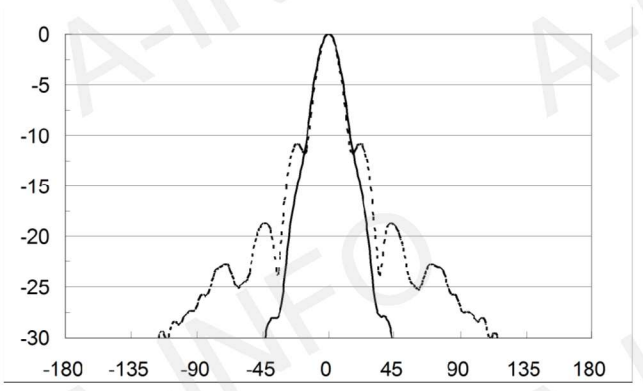
3. Pattern

Frequency: 33.0GHz



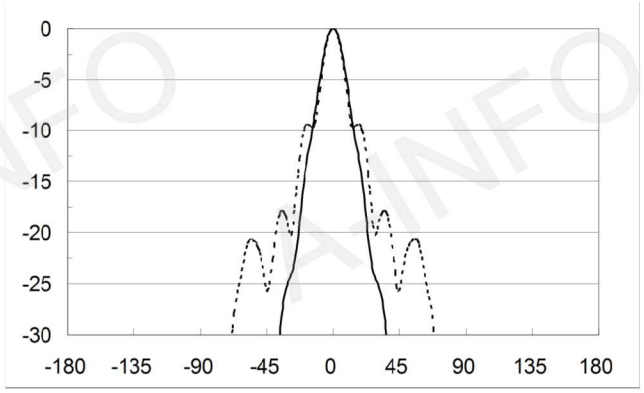
3dB Beamwidth (deg): 19.20 3dB Beamwidth (deg): 18.30

Frequency: 41.5GHz



3dB Beamwidth (deg): 15.55 3dB Beamwidth (deg): 14.70

Frequency: 50.0GHz



3dB Beamwidth (deg): 13.75 3dB Beamwidth (deg): 12.70