

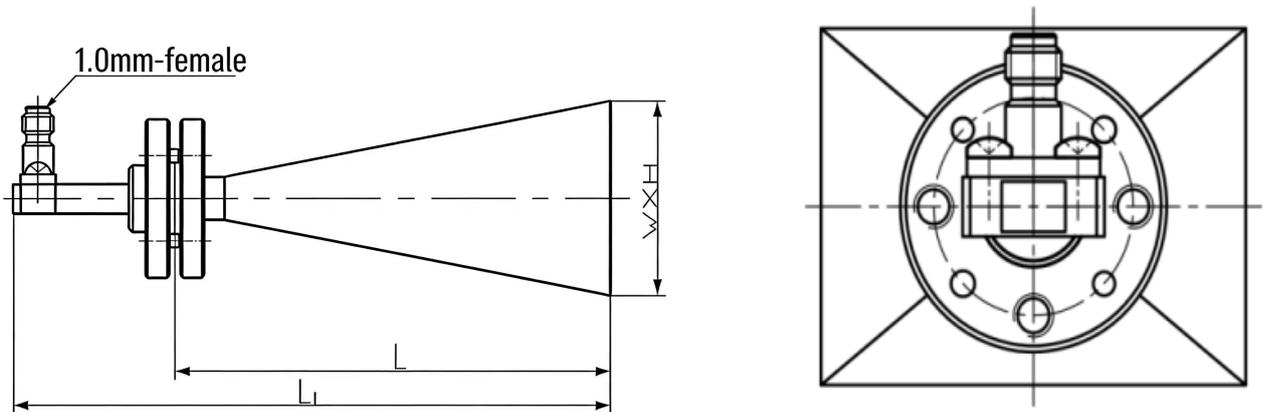


P/N: AMT-SGH10-25-1.0F

Technique Specifications

	Frequency Range	75-110GHz
	Polarization	Linear
	Gain	25 dBi Typ.
	E-Plane Beamwidth	6° ~ 10°
	H-Plane Beamwidth	7° ~ 11°
	VSWR	1.5 Typ.
	Connector	1.0mm-Female
	Size	Ø19.1 x 98mm approx.
	Material	Cu

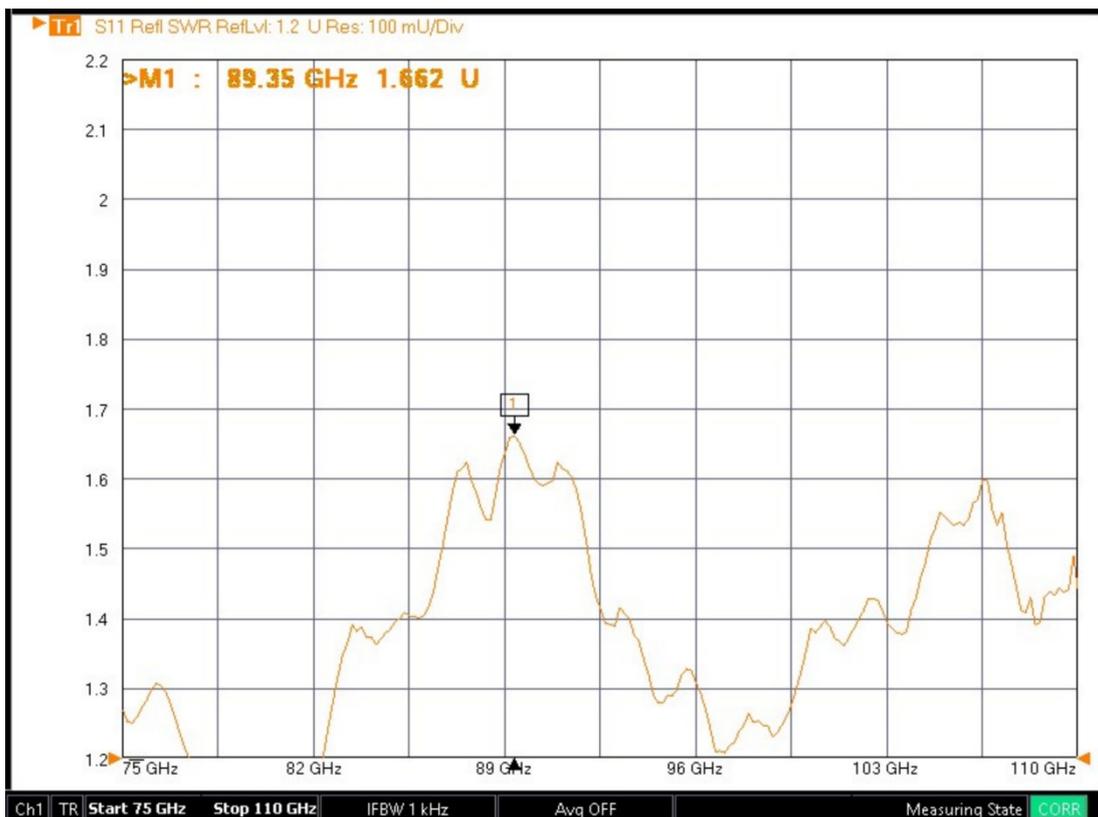
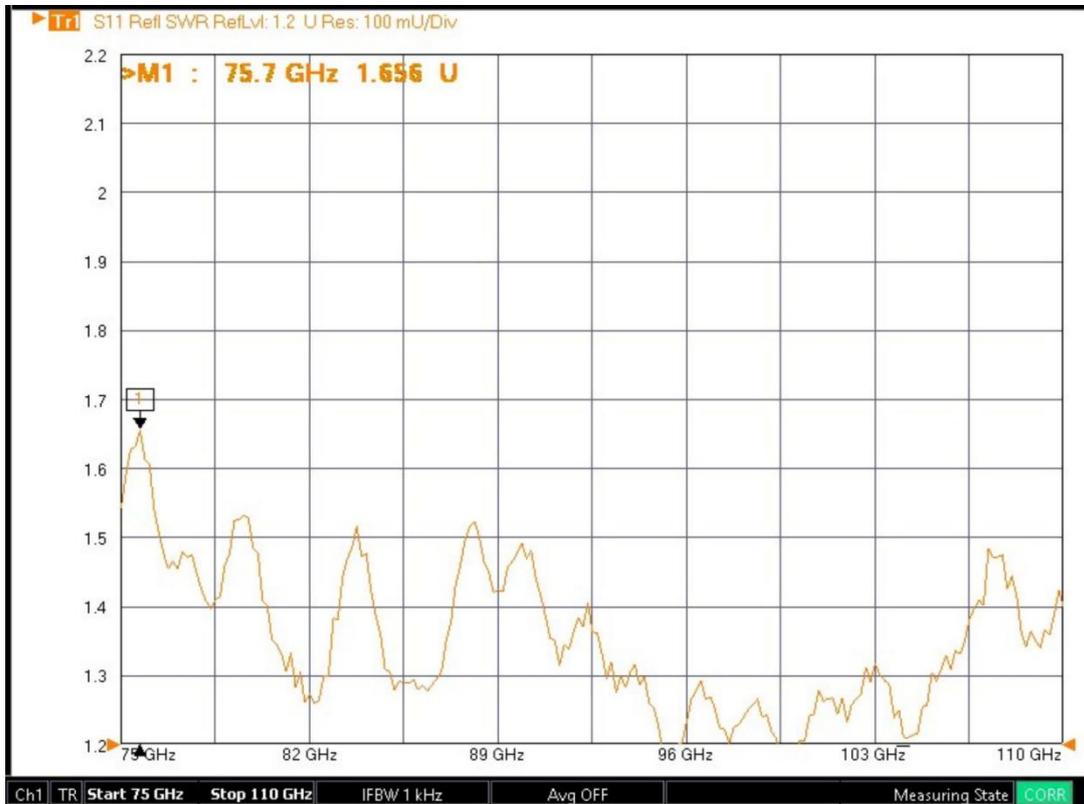
Outline(mm)



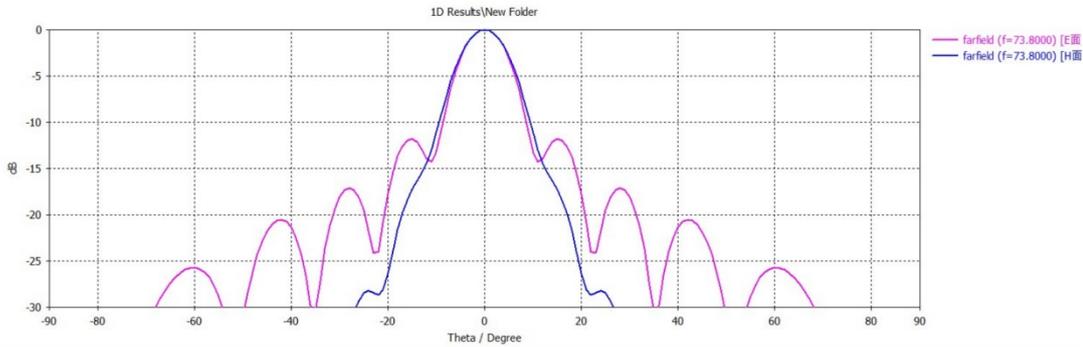
Gain

Frequency(GHz)	Gain (dBi)	Frequency(GHz)	Gain(dBi)
73.8	24.89	92.9	26.49
75.39	25.05	94.49	26.60
76.98	25.20	96.08	26.70
78.575	25.34	97.67	26.81
80.16	25.49	99.26	26.91
81.75	25.62	100.85	27.01
83.35	25.76	102.45	27.10
84.94	25.89	104.04	27.19
86.53	26.01	105.63	27.28
88.125	26.14	107.22	27.37
89.71	26.26	108.81	27.45
91.30	26.37	110.40	27.54
		112.00	27.62

VSWR



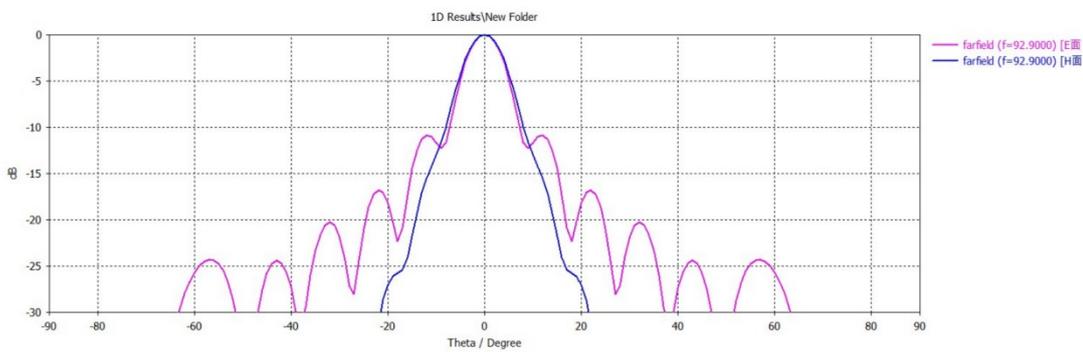
Pattern



Frequency: 73.8GHz

E-Pattern:2 $\theta_{-0.5}=9.0^\circ$

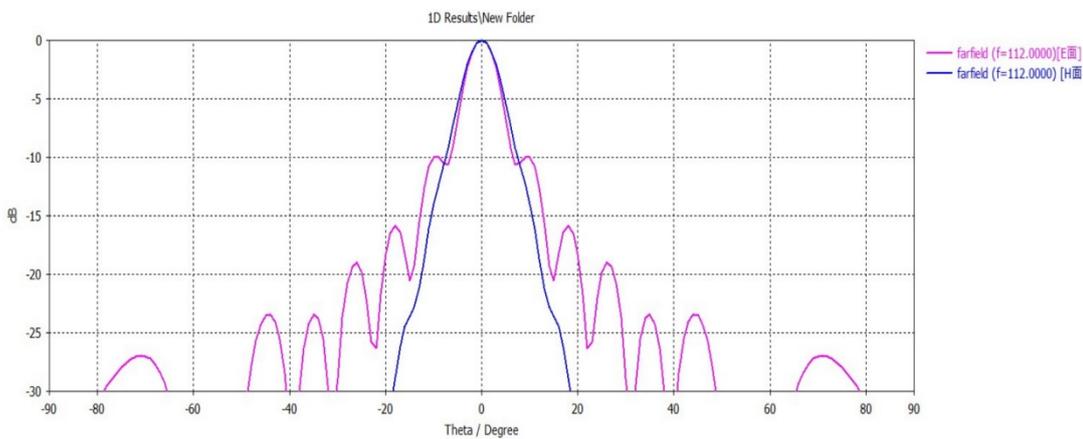
H-Pattern:2 $\theta_{-0.5}=10.3^\circ$



Frequency: 92.9GHz

E-Pattern:2 $\theta_{-0.5}=8.0^\circ$

H-Pattern:2 $\theta_{-0.5}=8.4^\circ$



Frequency: 112GHz

E-Pattern:2 $\theta_{-0.5}=6.7^\circ$

H-Pattern:2 $\theta_{-0.5}=7.3^\circ$