

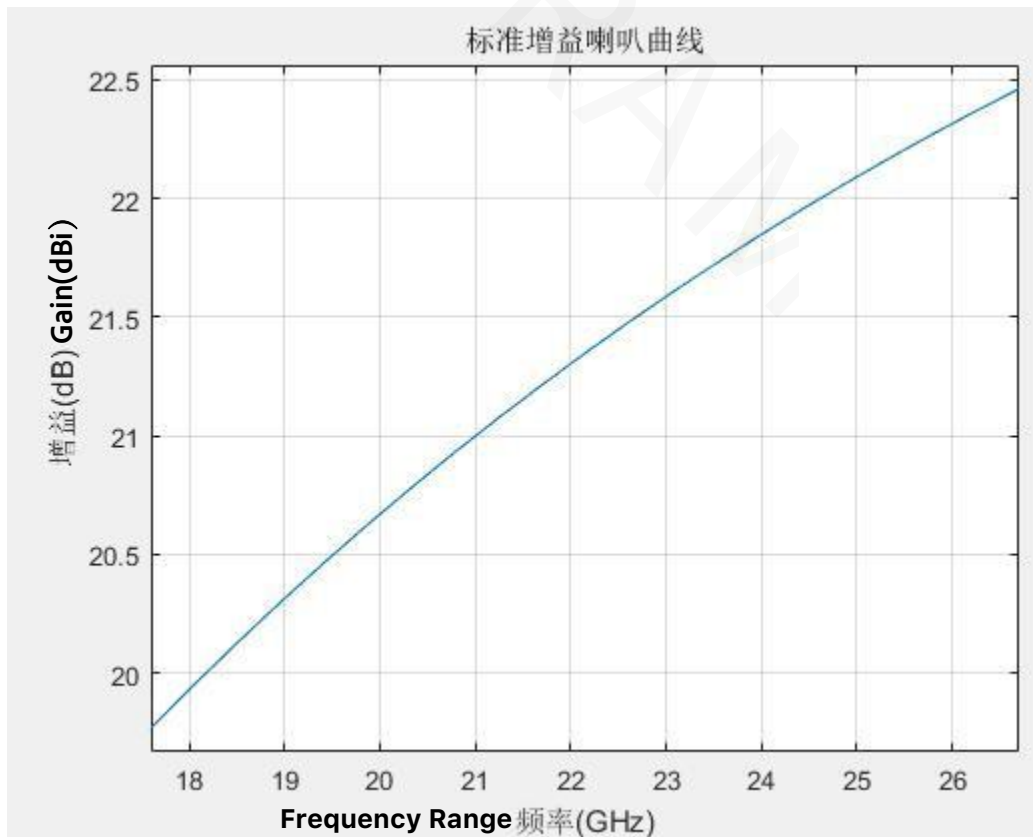
**P/N: AMT-SGH42-20**

**Technique Specification**

Frequency Range(GHz)	18 - 26.5
Gain(dBi)	20dB Typ.
Polarization	Linear
VSWR	≤1.5 Max.
Connector	FBP220(UBR220)/SMA-female
Size (L × W × H, mm)	49 x 70 x 155
Color	Sea Gray
Material	Al

**Test Result**

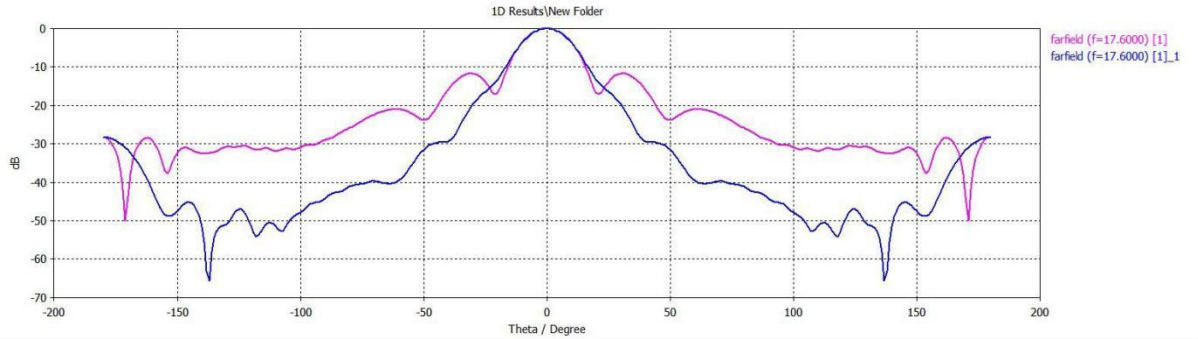
**Gain**





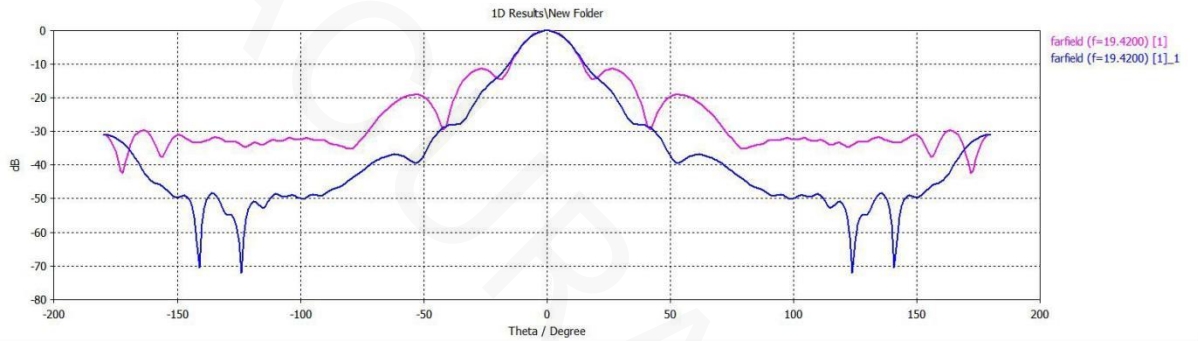
Frequency (GHz)	Gain (dBi)	Frequency (GHz)	Gain (dBi)
17.6	19.76	22.605	21.47
18.055	19.95	23.06	21.6
18.51	20.13	23.515	21.72
18.965	20.3	23.97	21.84
19.42	20.46	24.425	21.95
19.875	20.62	24.88	22.06
20.33	20.79	25.335	22.16
20.785	20.93	25.79	22.27
21.24	21.07	26.245	22.36
21.695	21.21	26.70	22.46
22.15	21.35		

Pattern



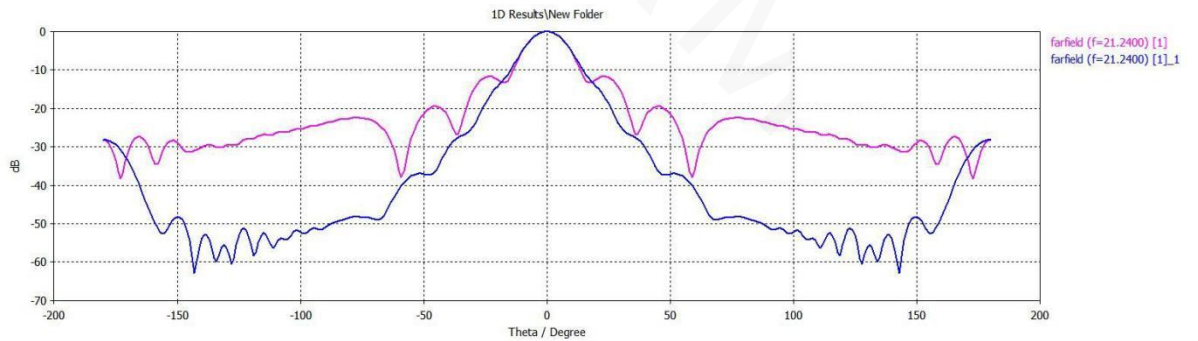
F=17.6 GHz

$2\theta_{-0.5}=18^\circ$  H Plane pattern E Plane pattern  $2\theta_{-0.5}=18.3^\circ$



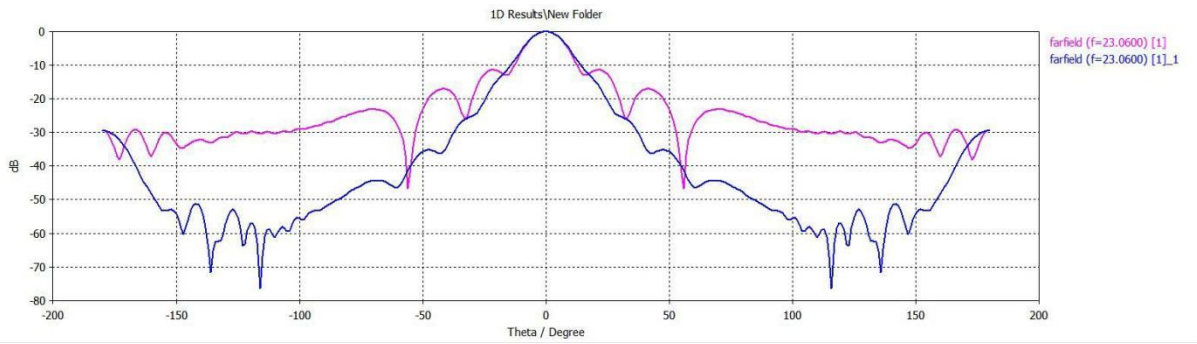
F=19.42 GHz

$2\theta_{-0.5}=16.5^\circ$  H Plane pattern E Plane pattern  $2\theta_{-0.5}=16.7^\circ$



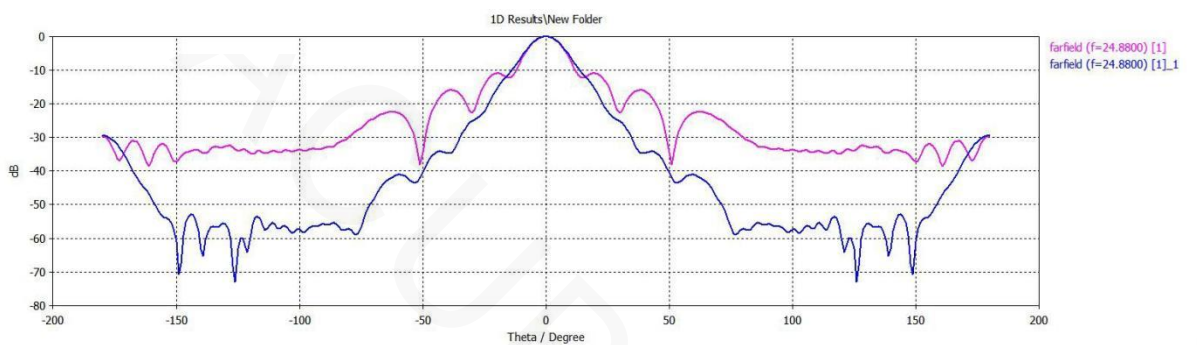
F=21.24 GHz

$2\theta_{-0.5}=15.3^\circ$  H Plane pattern E Plane pattern  $2\theta_{-0.5}=15.3^\circ$



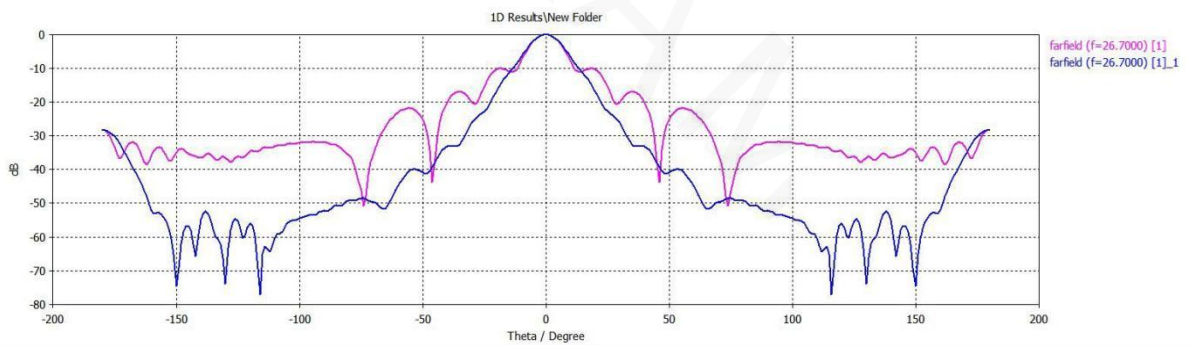
F=23.06 GHz

$2 \theta_{-0.5} = 14.3^\circ$  H Plane pattern E Plane pattern  $2 \theta_{-0.5} = 14.2^\circ$



F=24.88 GHz

$2 \theta_{-0.5} = 13.5^\circ$  H Plane pattern E Plane pattern  $2 \theta_{-0.5} = 13.2^\circ$



F=26.7 GHz

$2 \theta_{-0.5} = 12.8^\circ$  H Plane pattern E Plane pattern  $2 \theta_{-0.5} = 12.5^\circ$