

A.H. Systems, Inc

SAS-573 (Standard Gain Horn Antenna)

Frequency Range:	26.5 GHz - 40 GHz
Antenna Factor (1 Meter)	39.8 to 40.5
Gain (dBi)	18.9 to 21.8
Maximum Continuous Power:	10 Watts
Beamwidth	17°
Impedance:	50 Ω
Max Radiated Field:	150 V/m
Connector:	WR-28 to 2.9mm female
Mounting Base:	¼ - 20 Thread, female

Physical Dimensions:

Length:	4.1 in. (10.4 cm)
Width:	1.1 in. (2.8 cm)
Height:	1.4 in. (3.6 cm)
Weight:	0.1 lb.'s (0.05 kg)

Features

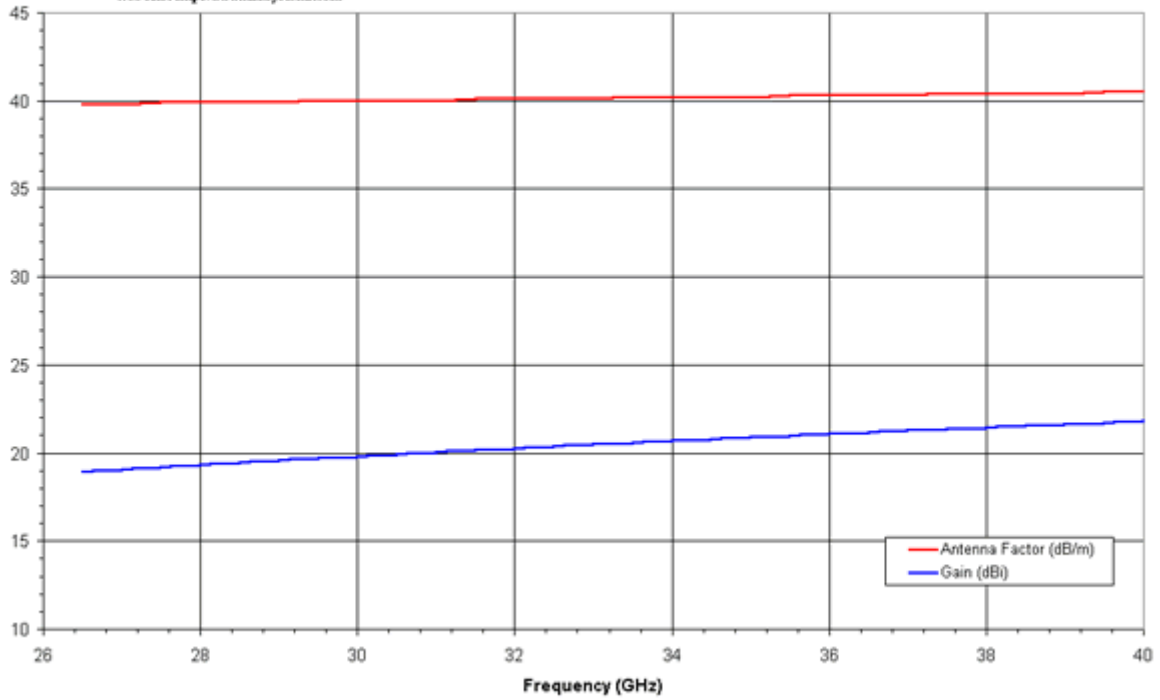
- Frequency Range of 26.5 GHz to 40 GHz
- Receive and Transmit
- Individually Calibrated (1 Meter calibration included, horizontal polarization)
- Linearly Polarized
- FCC, MIL-STD, VDE and TEMPEST Testing

The A.H. Systems' Horn Antenna is a broadband antenna that offers excellent performance over the frequency range of 26.5 GHz to 40 GHz. High gain, low VSWR, and input handling capability up to 10 watts make this horn antenna an excellent general performer.



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Model: SAS-573
Horn Antenna



1 Meter Antenna Factor		
Frequency (GHz)	Antenna Factor (dB/m)	Gain (dBi)
26.5	39.8	18.91
27.0	39.8	19.07
27.5	39.9	19.13
28.0	39.9	19.29
28.5	39.9	19.44
29.0	39.9	19.59
29.5	40.0	19.64
30.0	40.0	19.79
30.5	40.0	19.93
31.0	40.0	20.07
31.5	40.1	20.11
32.0	40.1	20.25
32.5	40.1	20.38
33.0	40.1	20.52
33.5	40.2	20.55
34.0	40.2	20.68
34.5	40.2	20.80

35.0	40.2	20.93
35.5	40.3	20.95
36.0	40.3	21.07
36.5	40.3	21.19
37.0	40.3	21.31
37.5	40.4	21.33
38.0	40.4	21.44
38.5	40.4	21.56
39.0	40.4	21.67
39.5	40.5	21.68
40.0	40.5	21.79