Circularly Polarized Horn Antenna

17.6-26.0 GHz | 15 dBi Typ. | P/N: AMT-CP176260-D02

1. Product Overview

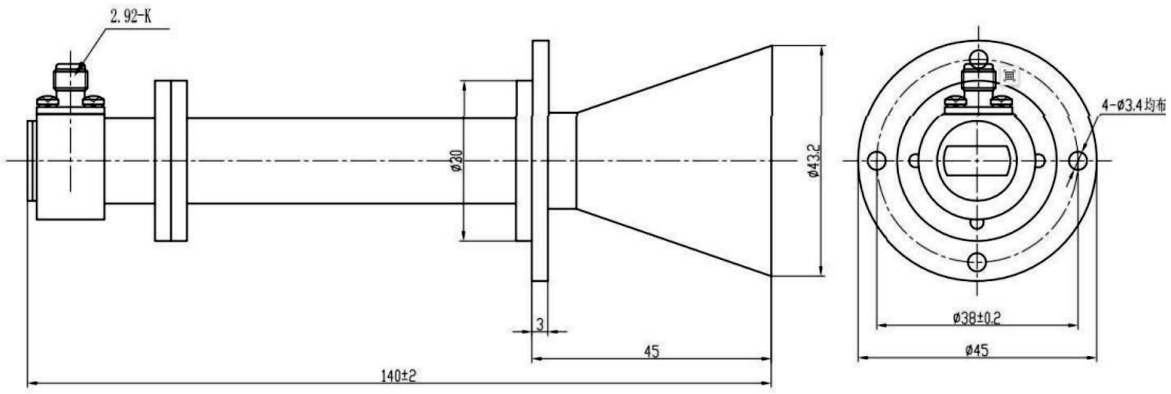
The AMT-CP176260-D02 is a circularly polarized horn antenna operating from 17.6 to 26.0 GHz. It provides 15 dBi typical gain, selectable LHCP/RHCP polarization, a 2.92 mm female RF connector, and a maximum VSWR of 1.5:1. It is ideally suited for gain reference, antenna measurement, reflector feed, CATR and other applications.

2. Technical Specifications



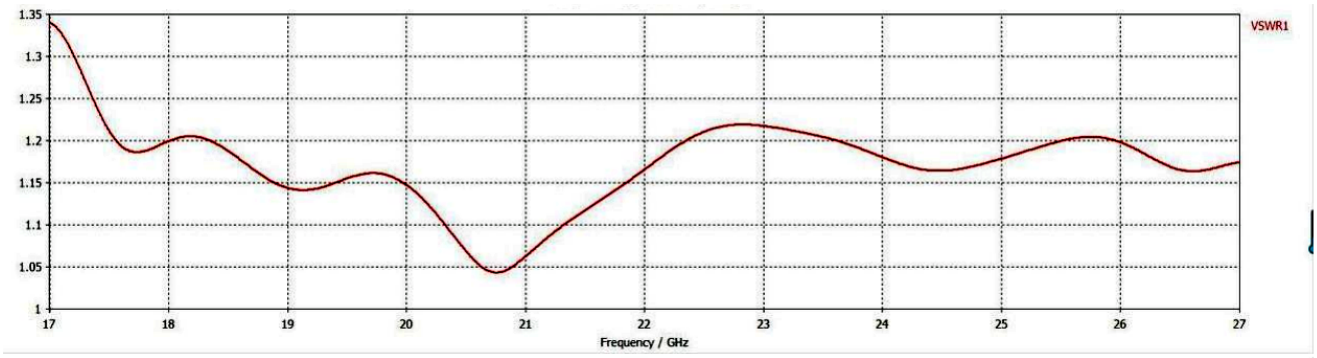
Parameter	Specification
Frequency Range	17.6-26.0 GHz
Gain	15 dBi Typ.
Polarization	LHCP / RHCP
Impedance	50 Ω
RF Connector	2.92 mm Female
VSWR	1.5:1 Max.
Color	Sea Grey
Material	Aluminum
Dimensions	45 x 140 mm approx.
Weight	100 g

3. Outline(mm)

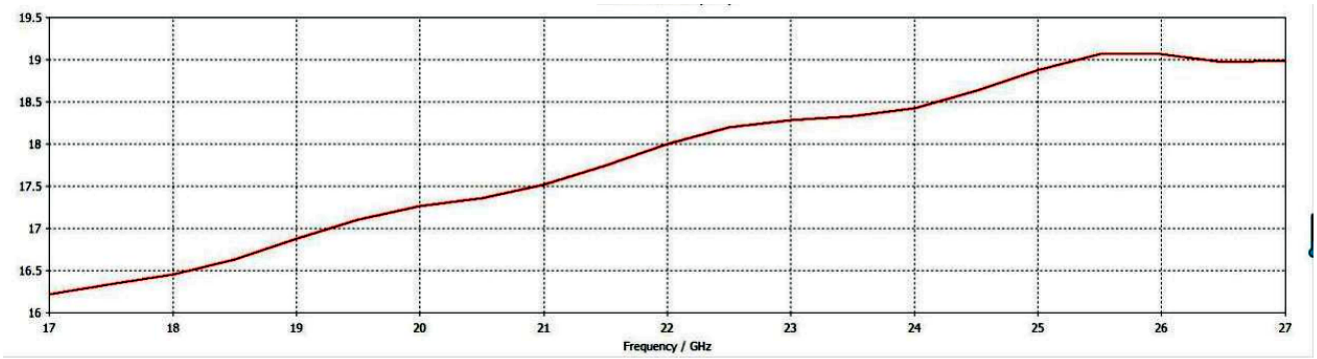


4. Test Results

VSWR vs. Frequency

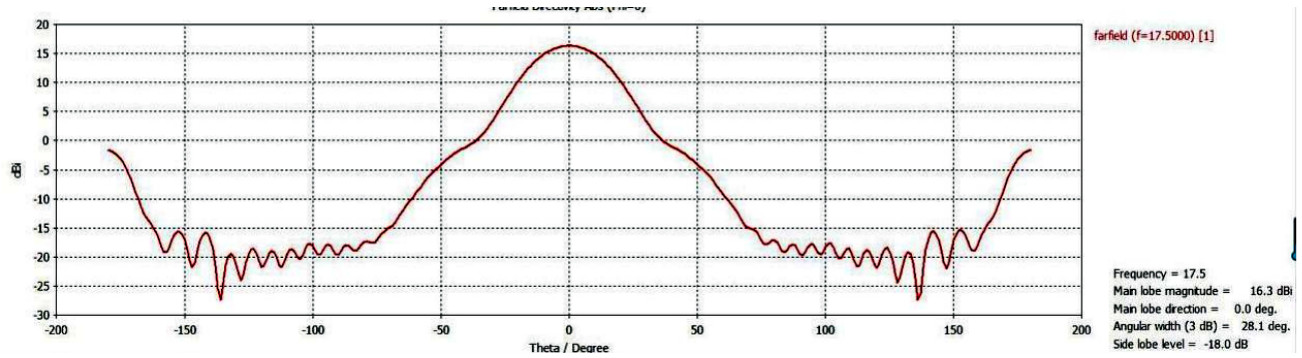


Gain vs. Frequency

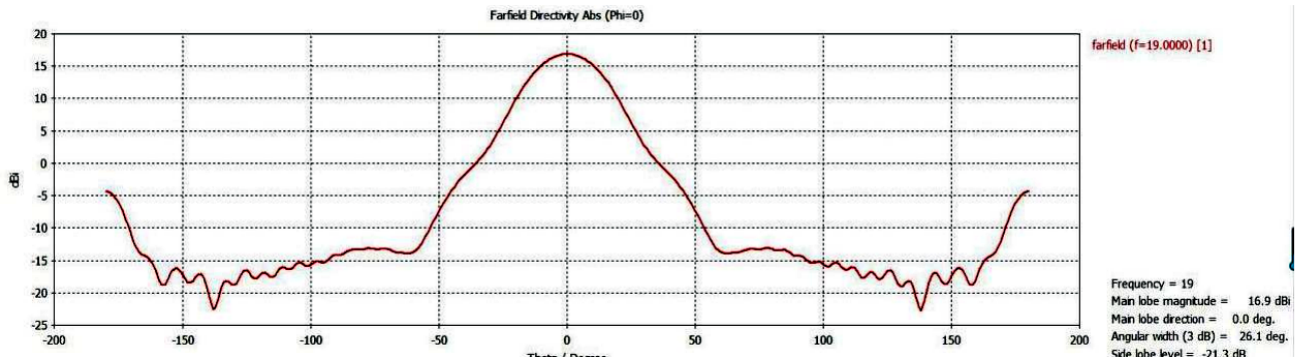


5. Radiation Pattern

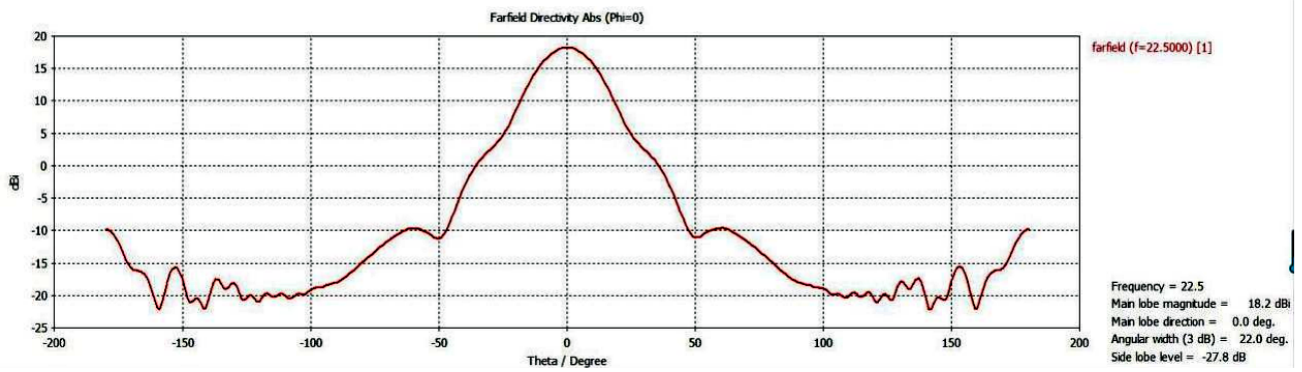
17.5 GHz



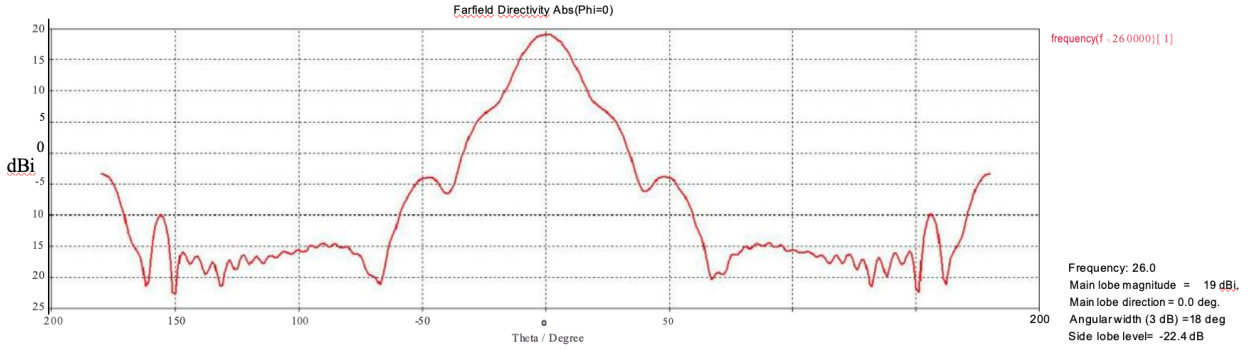
19.0 GHz



22.5 GHz



26.0 GHz



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