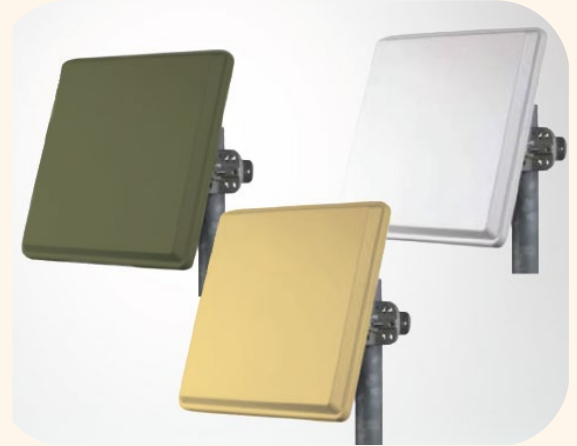


4.4–6.1 GHz 90-Degree Sector Antenna

QUICK LOOK:

- Dual-polarized antenna provides full coverage of 4.4-6.1 GHz band
- Cost-effective solution for point-to-multipoint applications
- UV-protected radome suitable for harsh environmental installations



Antenna Technology – Electrical

Model	N045070D035A – White N045070D042B – Green N045070D043B – Tan
Frequency Range	4.4 GHz to 5.1 GHz 5.1 GHz to 6.1 GHz 15.0 +/- 0.5 dBi @ H-pol 15.5 +/- 0.7 dBi @ V-pol
VSWR	Maximum: 2.0:1 Typical: 1.7:1
Polarization Dual Pole	Vertical and horizontal
Port-to-Port Isolation, Minimum	-46 dBi
Side Lobes, Elevation, Typical	-10 dBi
Cross Polarization, Minimum	-16 dBi
3 dB Beamwidth, Azimuth, Typical	90°
3 dB Beamwidth, Elevation, Typical	8°
Front-to-Back Ratio, Minimum	-26 dBi
Input Power, Maximum	50W
Lightning Protection	DC grounded
Impedance	50 Ohm

Antenna Technology – Mechanical

Dimensions	370 mm x 370 mm x 40 mm (14.5" x 14.5" x 1.6")
Weight	2 kg
Connector	2 x N-Type
Radome	UV-protected plastic
Mount	Aluminum protected through chemical preservation, included

Antenna Technology – Environmental

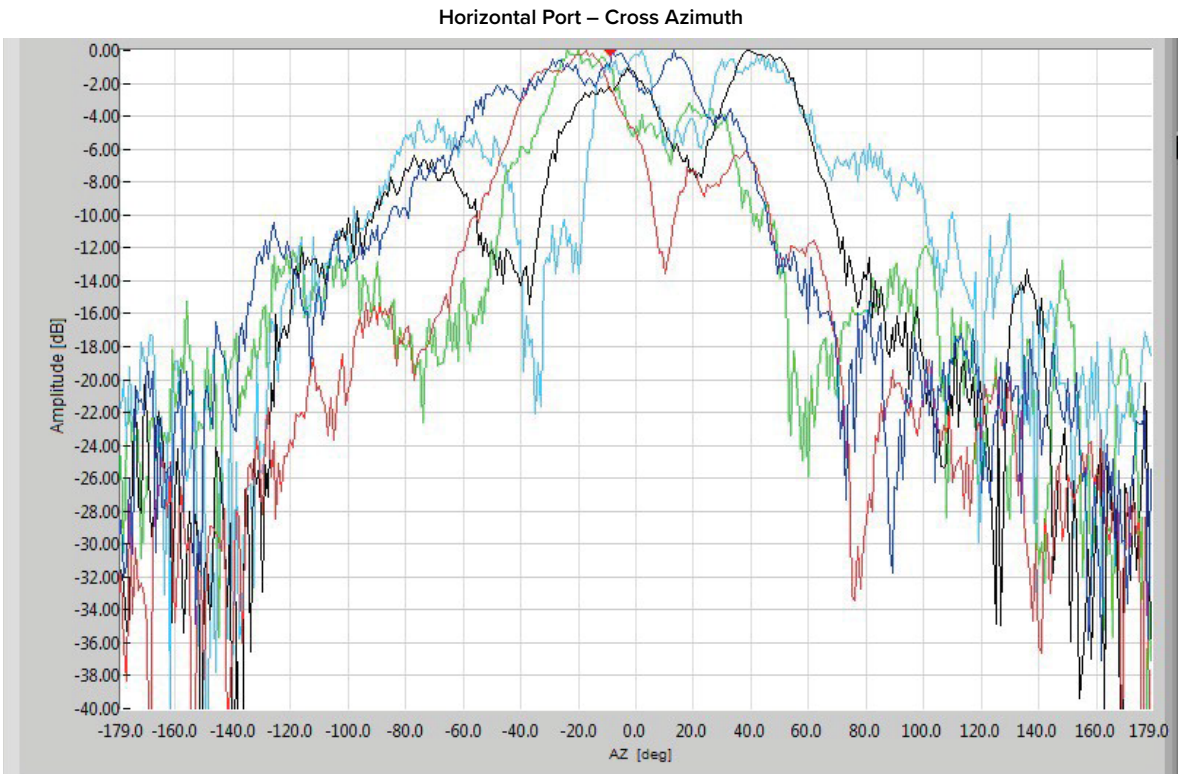
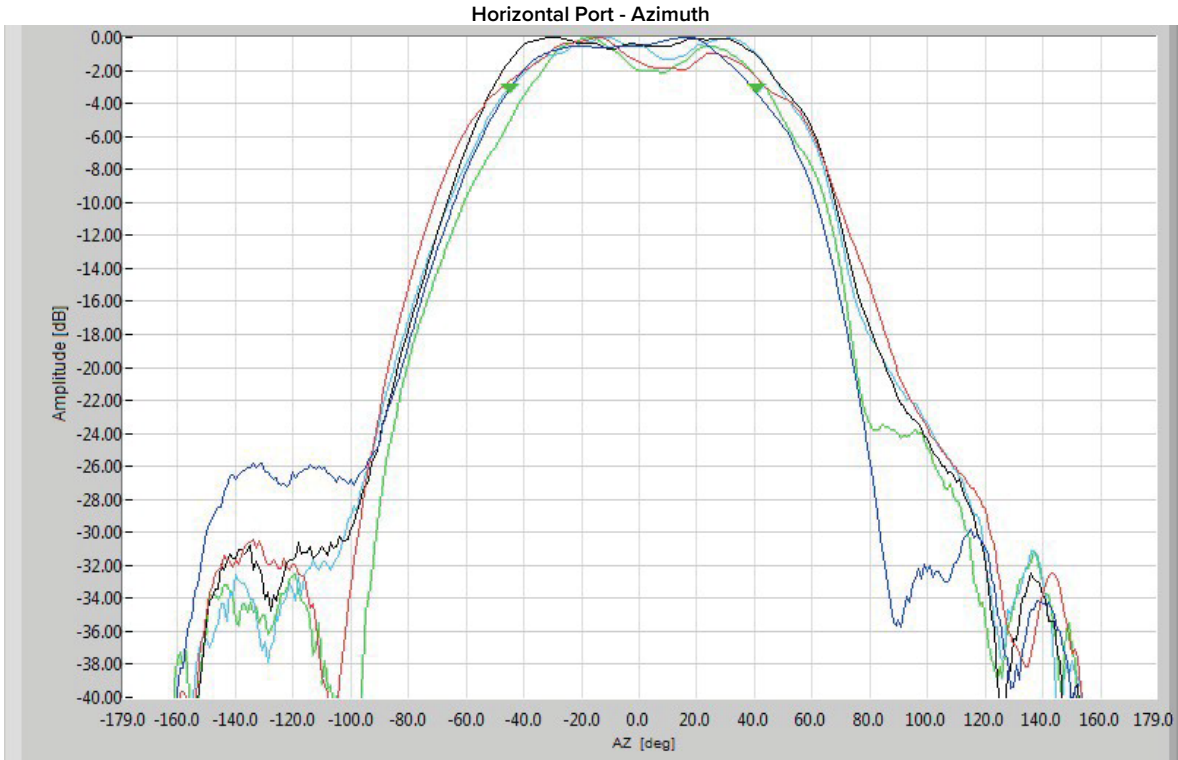
Operating Temperature Range	-55°C to +65°C
Vibration	According to IEC 60721-3-4
Wind Load	200 km/h (survival)
Flammability	UL94
Waterproofing	IP67
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)
Salt Fog	According to IEC 68-2-11

ABOUT CAMBIUM NETWORKS

Cambium Networks enables service providers, enterprises, industrial organizations, and governments to deliver exceptional digital experiences, and device connectivity, with compelling economics. Our ONE Network platform simplifies management of Cambium Networks' wired and wireless broadband and network edge technologies. Our customers can focus more resources on managing their business rather than the network. We deliver connectivity that just works.

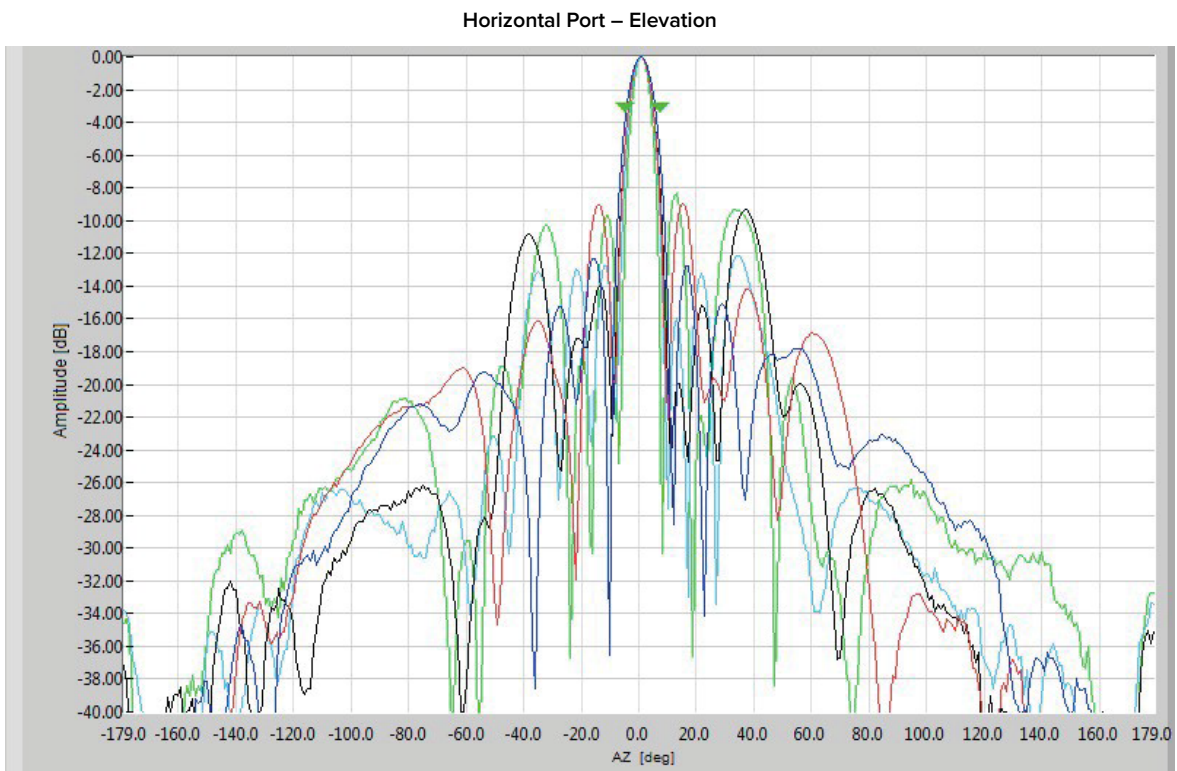
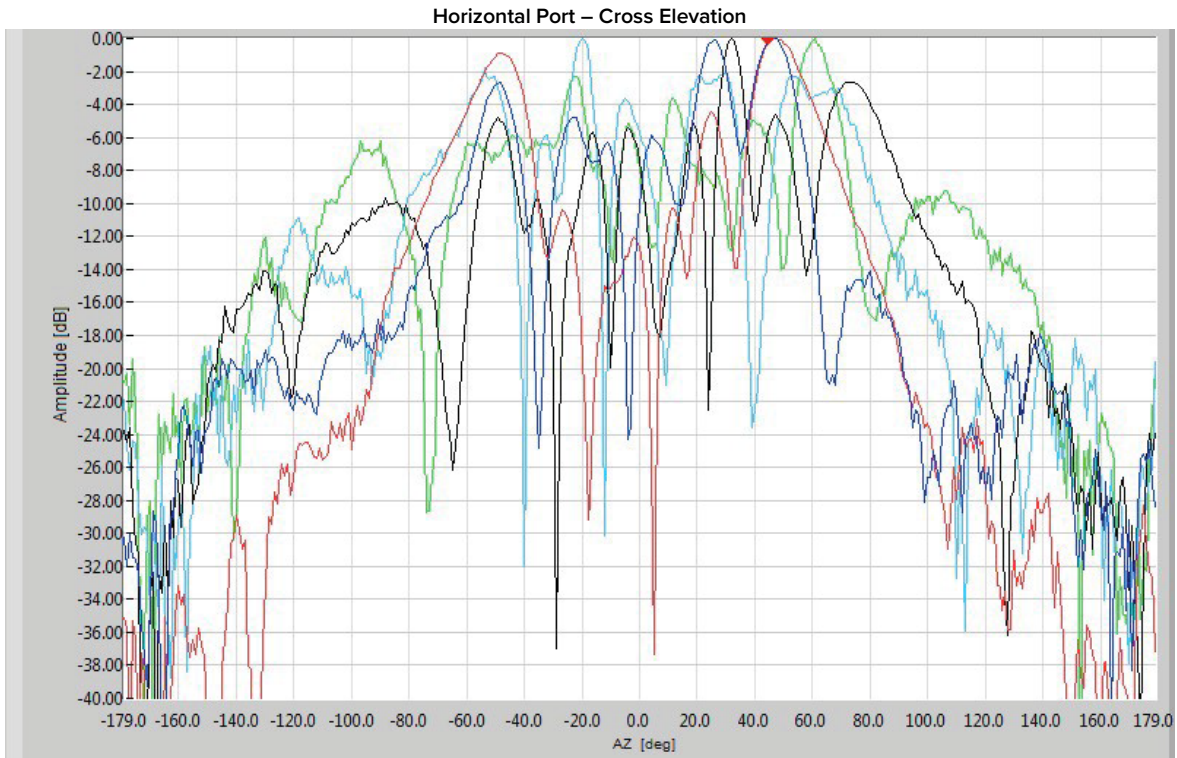
4.4–6.1 GHz 90-Degree Sector Antenna

Antenna Patterns



4.4–6.1 GHz 90-Degree Sector Antenna

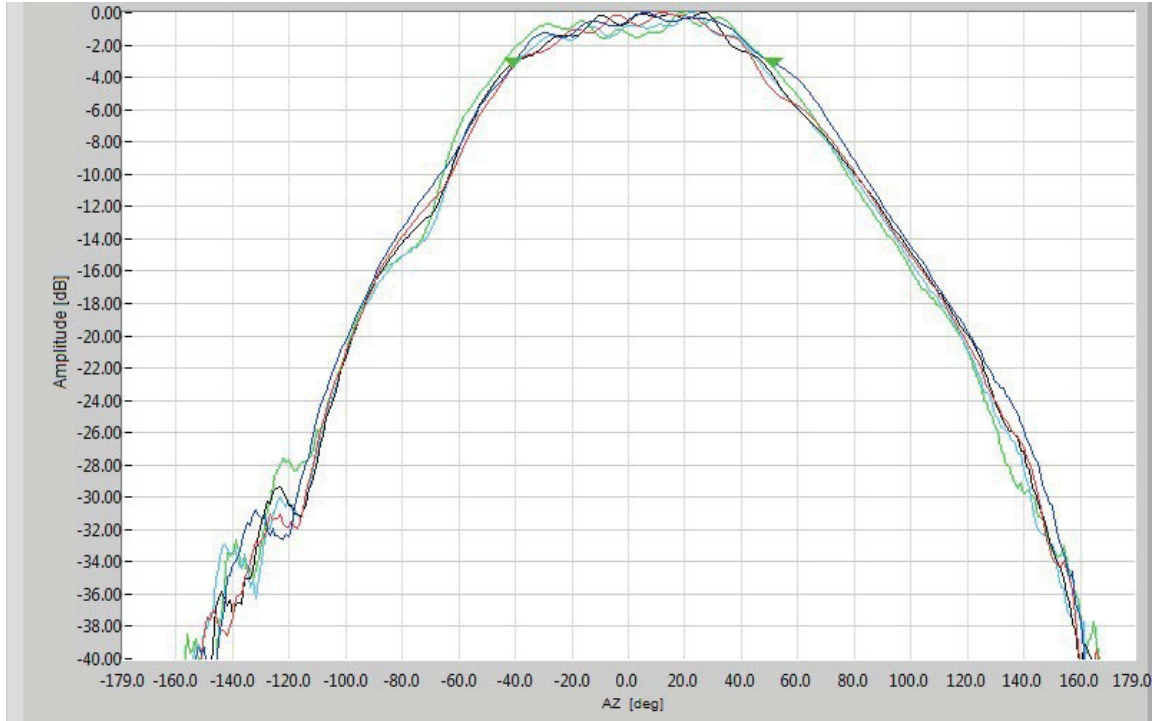
Antenna Patterns



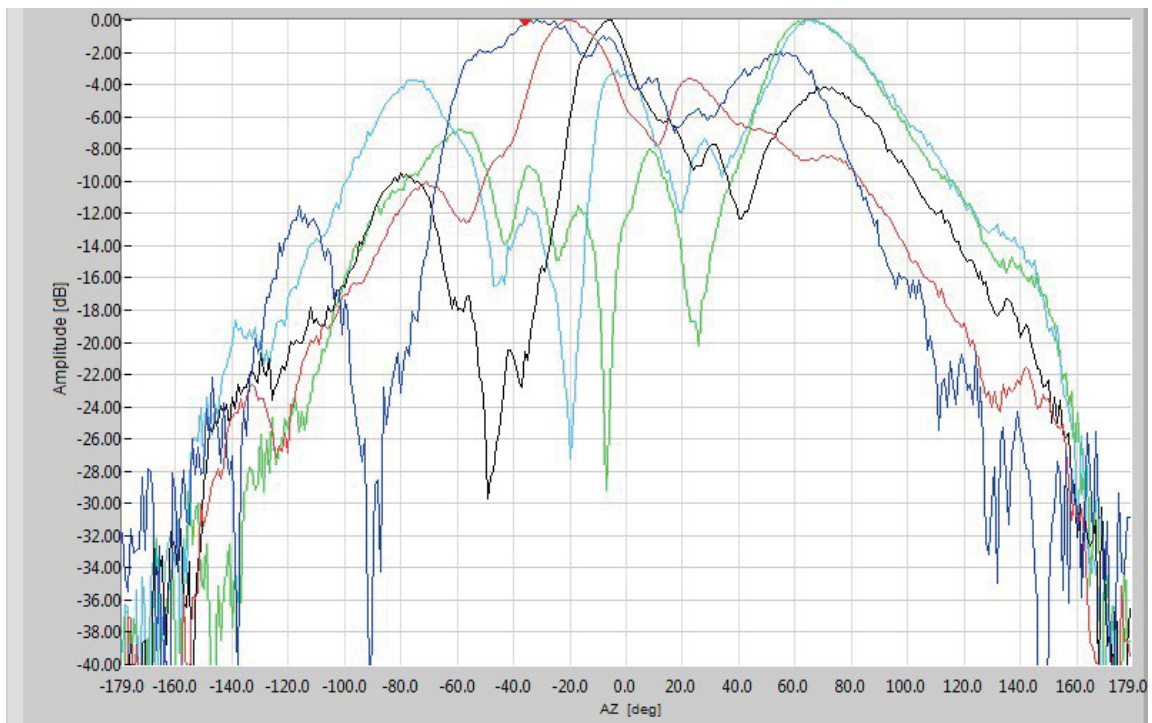
4.4–6.1 GHz 90-Degree Sector Antenna

Antenna Patterns

Vertical Port – Azimuth



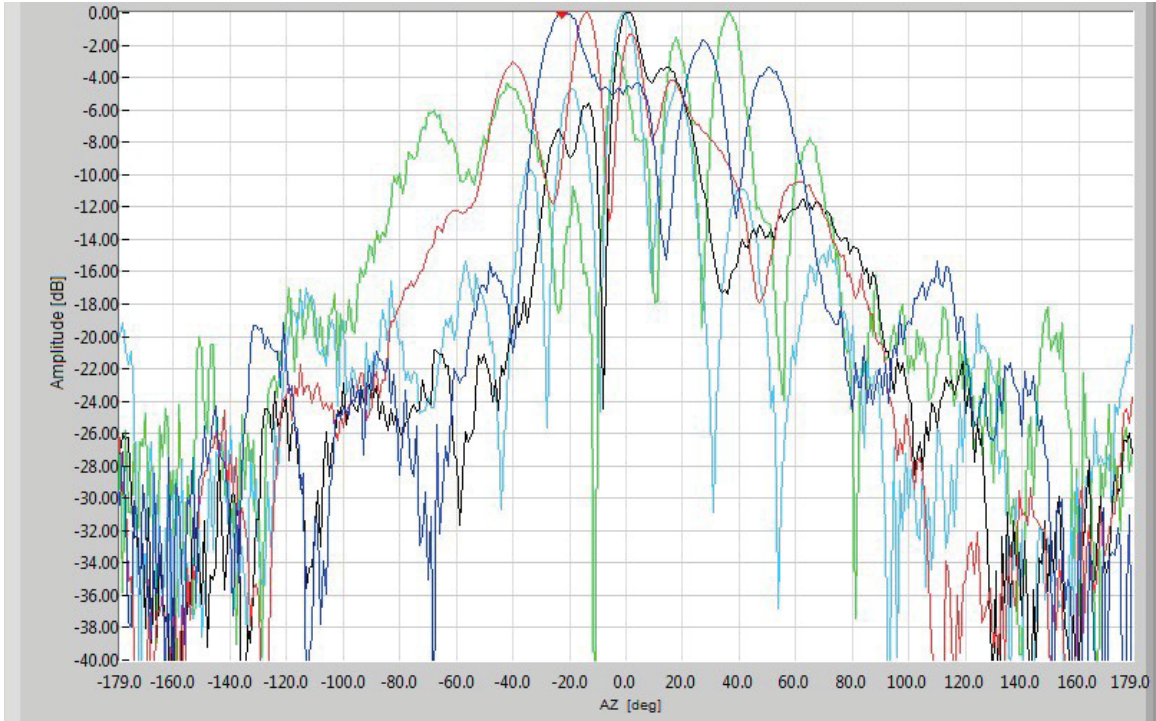
Vertical Port – Cross Azimuth



4.4–6.1 GHz 90-Degree Sector Antenna

Antenna Patterns

Vertical Port – Cross Elevation



Vertical Port – Elevation

