



**JOB DESCRIPTION FORM**

**Req. No 2020.09.02**

<b>Department Description</b>
<p>Cambium Networks enables service providers; enterprises; governmental and military agencies; oil, gas and utility companies; Internet service providers; and public safety organizations to build powerful communications networks, reach users from 200 kilometers across mountain tops down to their devices, and intelligently manage their business Wi-Fi infrastructure through end-to-end network visibility and actionable analytics.</p>
<b>Scope of Responsibilities &amp; Position Expectations</b>
<ul style="list-style-type: none"><li>• Evaluate various antenna designs and provide feedback to cross functional engineering teams including Hardware Engineering, Mechanical Engineering and Software engineering.</li><li>• Test and prototype novel antenna designs (MU-MIMO, Adaptive Beam-forming). Compare dipole/patch arrays, reflector dishes, yagis, log periodic, waveguide probe antennas, standard gain horns.</li><li>• Created detailed and accurate reports in an exciting fast paced environment.</li><li>• Utilize Spectrum analyzers, power meters, automate antenna range software to validate antennas.</li><li>• Coordinate testing and maintenance of anechoic chamber.</li><li>• Process and analyze antenna data to make recommendations to the Engineering teams based on measured and simulated results.</li></ul>
<b>Knowledge/ Skill Requirement</b>
<ul style="list-style-type: none"><li>• PHD in Electrical Engineering, Computer Engineering or related.</li><li>• Antenna Design;</li><li>• Electromagnetic Simulation using HFSS or CST;</li><li>• Antenna Chamber Operation (including calibration and optimal antenna setup and data collection using far field antenna measurements);</li><li>• Circuit Analysis and Matching;</li><li>• Microwave Filters;</li><li>• and Antenna Circuit.</li></ul>