

Exhibit 1

Directional Antenna Characteristics

Under this STA, the applicant will operate a directional antenna in the 5.8 GHz band. The specific antenna is manufactured and sold by Hyperlink Technologies (<http://www.hyperlinktech.com/web/hg5817d.php>). The model number is HG5817D. This antenna affords 17 dBi gain with horizontal and vertical beam width equal to 25 degrees. The following figures show the antenna pattern and are taken from the Hyperlink Technologies product data sheet. The antennas will be mounted on portable tripods such that they are vertically polarized.

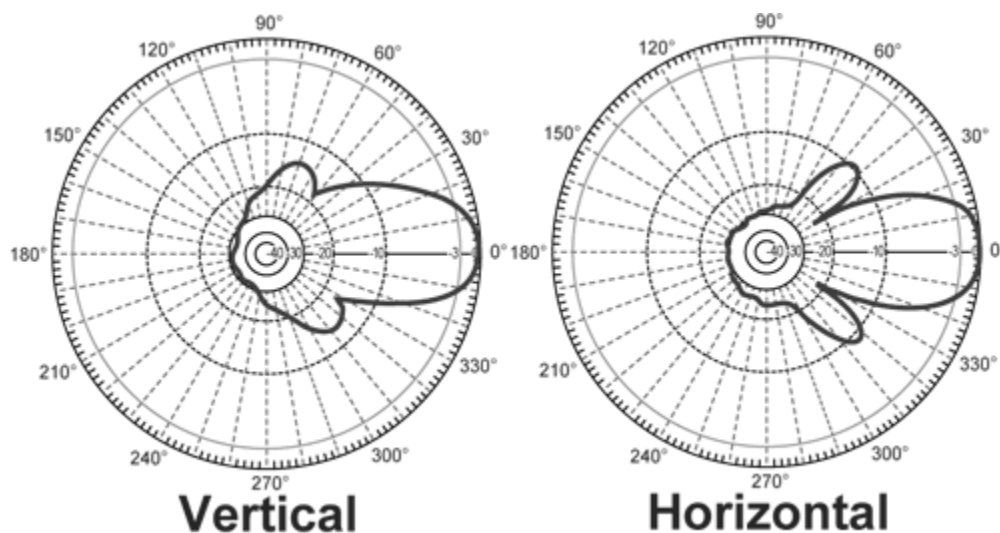


Figure 1 - HG5817D Antenna Gain Patterns