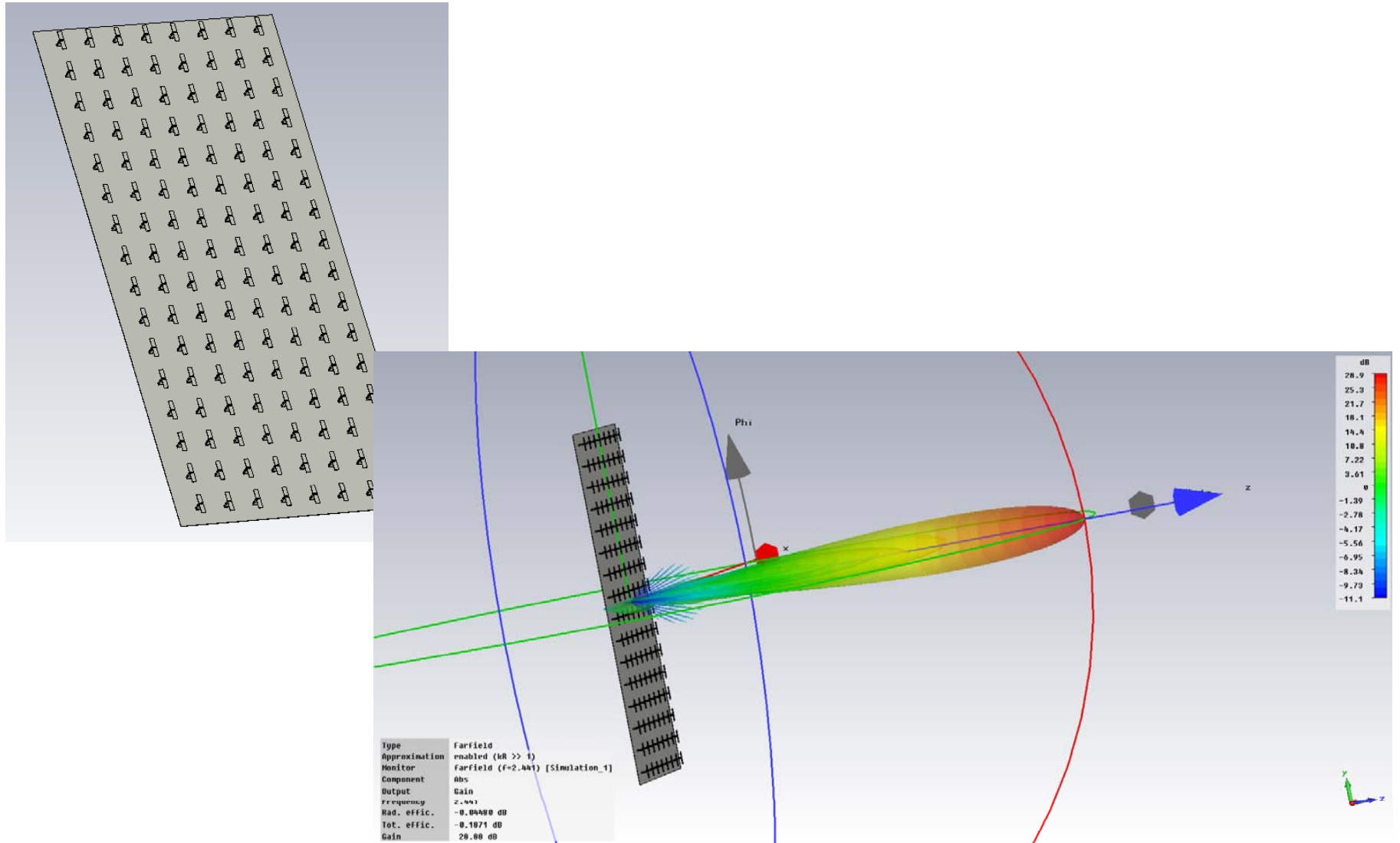


FCC STA Application Attachments Antenna Testing

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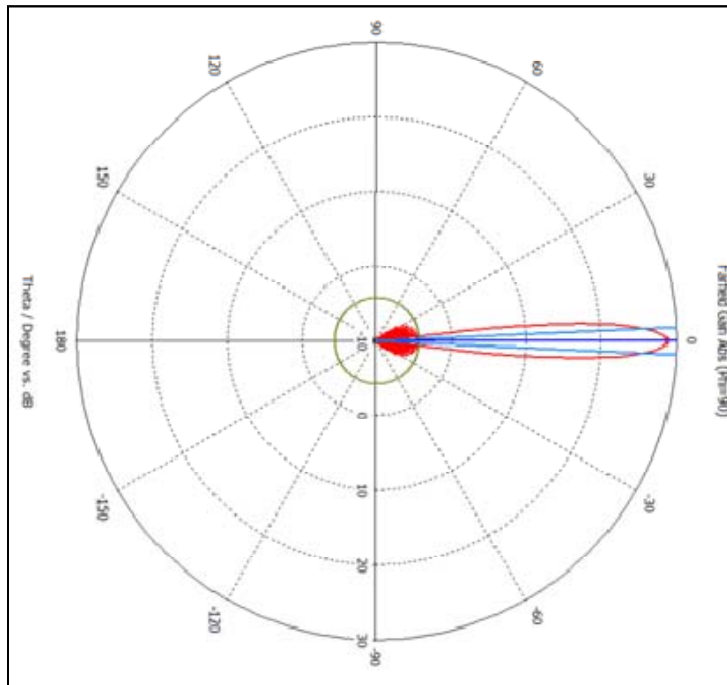
Ground Antenna Detail



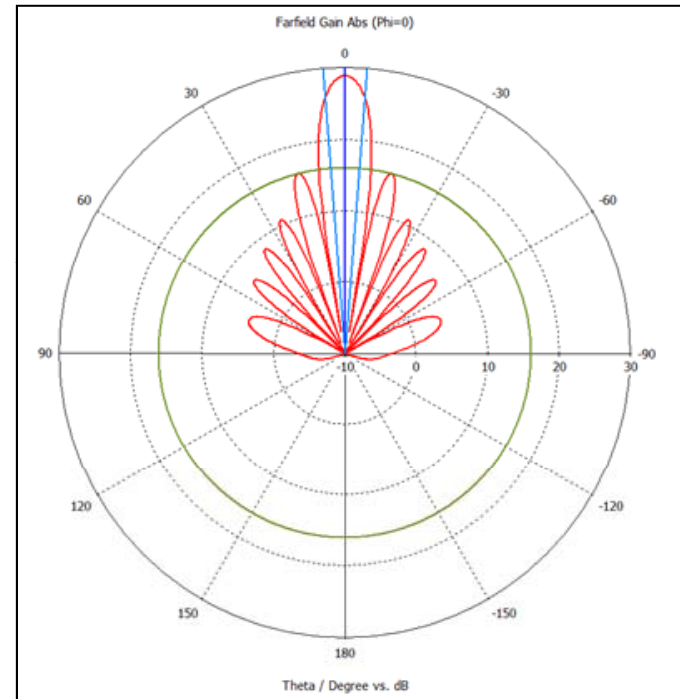
Ground Antenna – Radiation Patterns



Elevation pattern, no up tilt

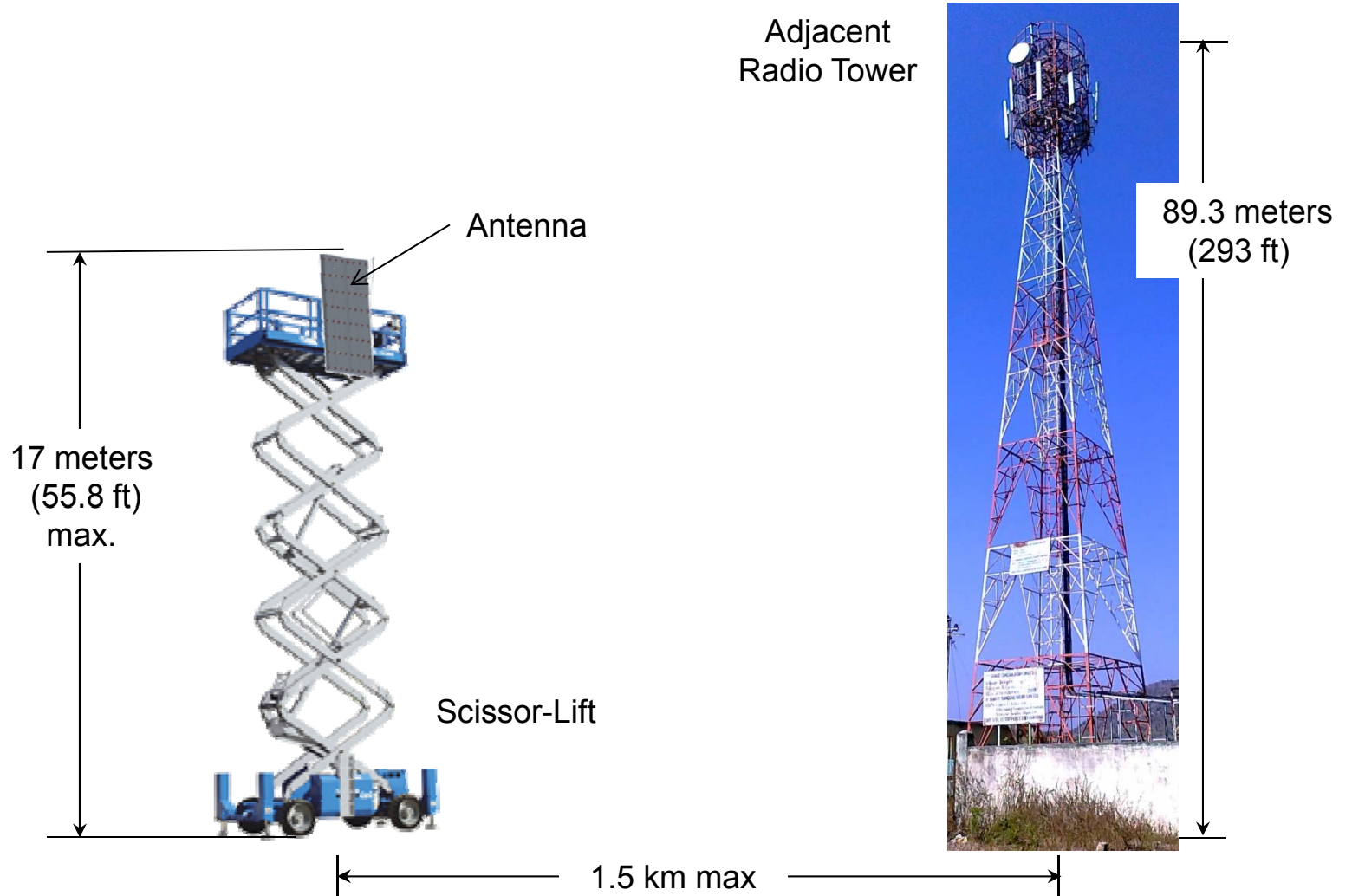


Azimuth pattern

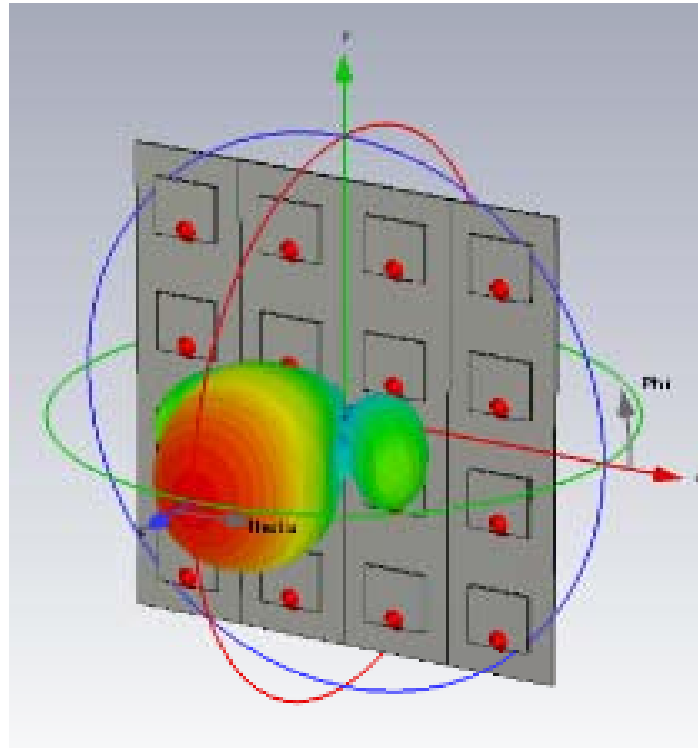


Ground station antenna transmit beam is formed in direction of aircraft.

Ground Antenna Elevation Diagram



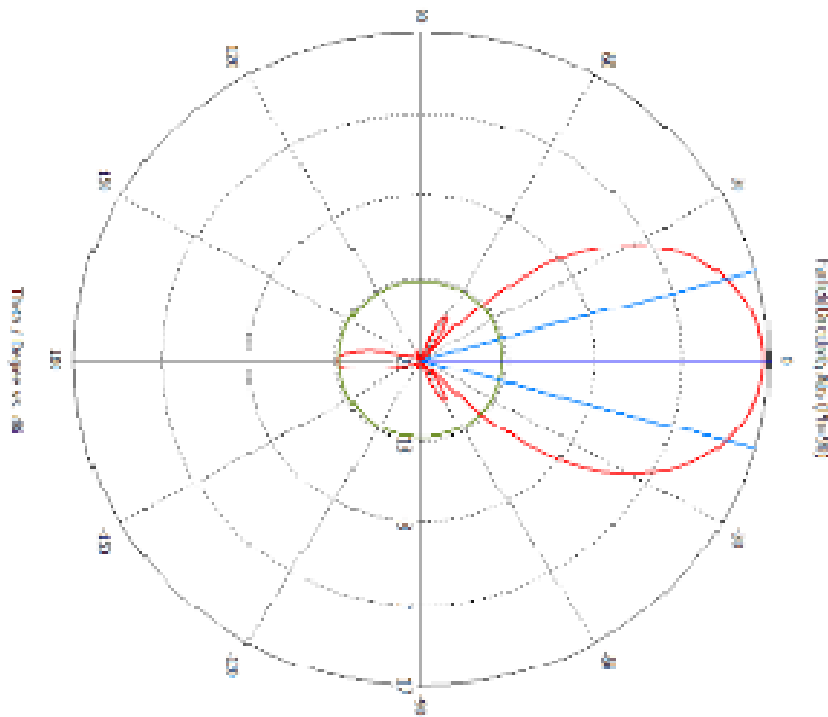
Aircraft Antenna Detail



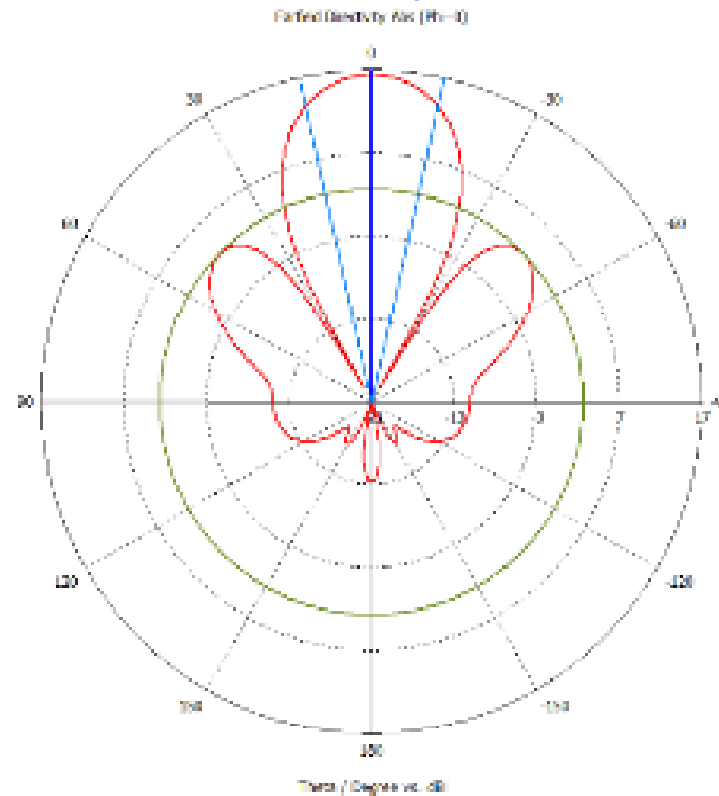
Aircraft Antenna – Radiation Patterns



Elevation pattern



Azimuth pattern



Aircraft station antenna transmit beam is formed toward ground station.