

S-band radios are used to communicate between the ground-based control station, and the airborne radar systems. Each radio only uses a small amount of bandwidth, at a single center frequency, but is capable of operating anywhere within the band requested in the application. Since we do not know where potential conflicts might exist at a given location, we have requested authorization over the full band, with the expectation that we will be notified of any limitations, and can identify an appropriate portion that is clear for operation.

Description of directional antenna 1.2 meter parabolic reflector with S-band transmission feed half power beamwidth is 7.4 degrees polarization is right-hand circular dish is mechanically steered in elevation from -10 to +85 degrees, and 360 degrees in azimuth steering speed is 8 degrees per second, in both elevation and azimuth

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