

Station Location

City	State	Latitude	Longitude	Mobile	Street (or other indication of location)	County	Radius of Operation
0 Boulder	Colorado	North 40 22 58	West 105 35 22		Prospect Road	Boulder	

Datum: NAD 83

Is a directional antenna (other than radar) used? Yes

Exhibit submitted: No

(a) Width of beam in degrees at the half-power point: 0.70

(b) Orientation in horizontal plane: 360 Degree Azimuth

(c) Orientation in vertical plane: 90 Degree Elevation

Will the antenna extend more than 6 meters above the ground, or if mounted on an existing building, will it extend more than 6 meters above the building, or will the proposed antenna be mounted on an existing structure other than a building? NO

(a) Overall height above ground to tip of antenna in meters: 5.00 m

(b) Elevation of ground at antenna site above mean sea level in meters: 1585.00 m

(c) Distance to nearest aircraft landing area in kilometers: 5.0 km

(d) List any natural formations of existing man-made structures (hills, trees, water tanks, towers, etc.) which, in the opinion of the applicant, would tend to shield the antenna from aircraft: Antenna is located on a hillside on a ranch near Table Mountain. Nearby structures and obstacles include the DSES antenna facility approximately 3 km to the west at 1707m MSL. Since the proposed ground station is shorter than nearby buildings and lower in elevation than Table Mountain, it poses a minimal threat to nearby aircraft.

Action	Frequency	Station Class	Output Power/ERP	Mean Peak	Frequency Tolerance (+/-)	Emission Designator	Modulating Signal
New	2400.00000000-2483.50000000 MHz	FX	1.0000W				