

City of License Coverage

The community of license for the proposed facility is Butte Falls, Oregon. According to 47 C.F.R. 73.315 there are several factors that should be considered when choosing a transmitter location.

The site chosen provides a 70 dBu over the entire city of license, both factoring terrain (Exhibit 23-A) and not factoring terrain (Exhibit 23-B).

Also, the antenna location was chosen so that line-of-sight to Butte Falls was obtained (see Exhibit 23-C).

Thus, the facility proposed in this application meets the requirement to serve the community of license.

Exhibit 20-A

Butte Falls

Latitude: 42-32-28 N
Longitude: 122-41-01 W
ERP: 0.80 kW
Channel: 225
Frequency: 92.9 MHz
AMSL Height: 1171.0 m
Elevation: 1125.0 m
Horiz. Pattern: Directional
Prop Model:

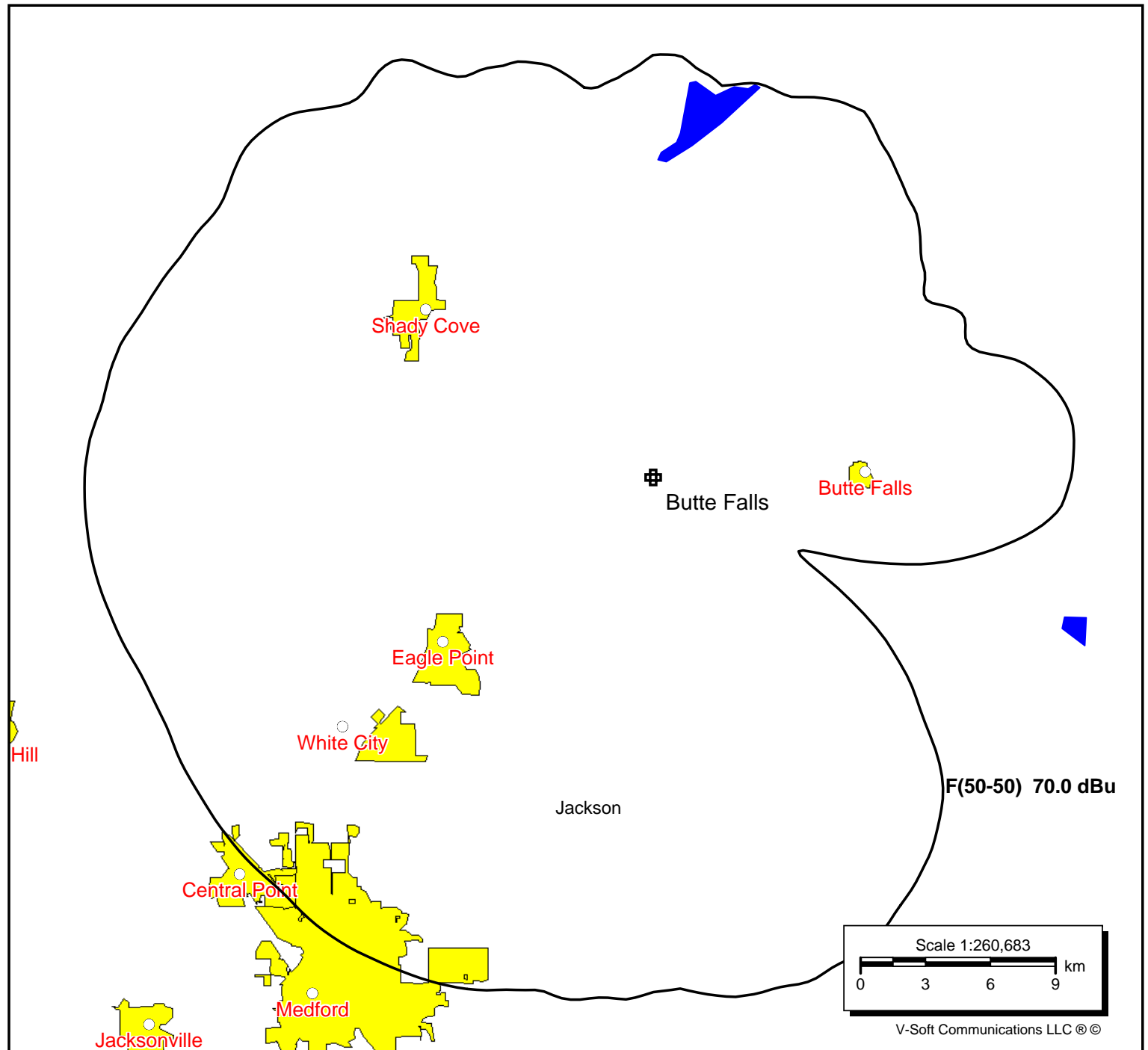
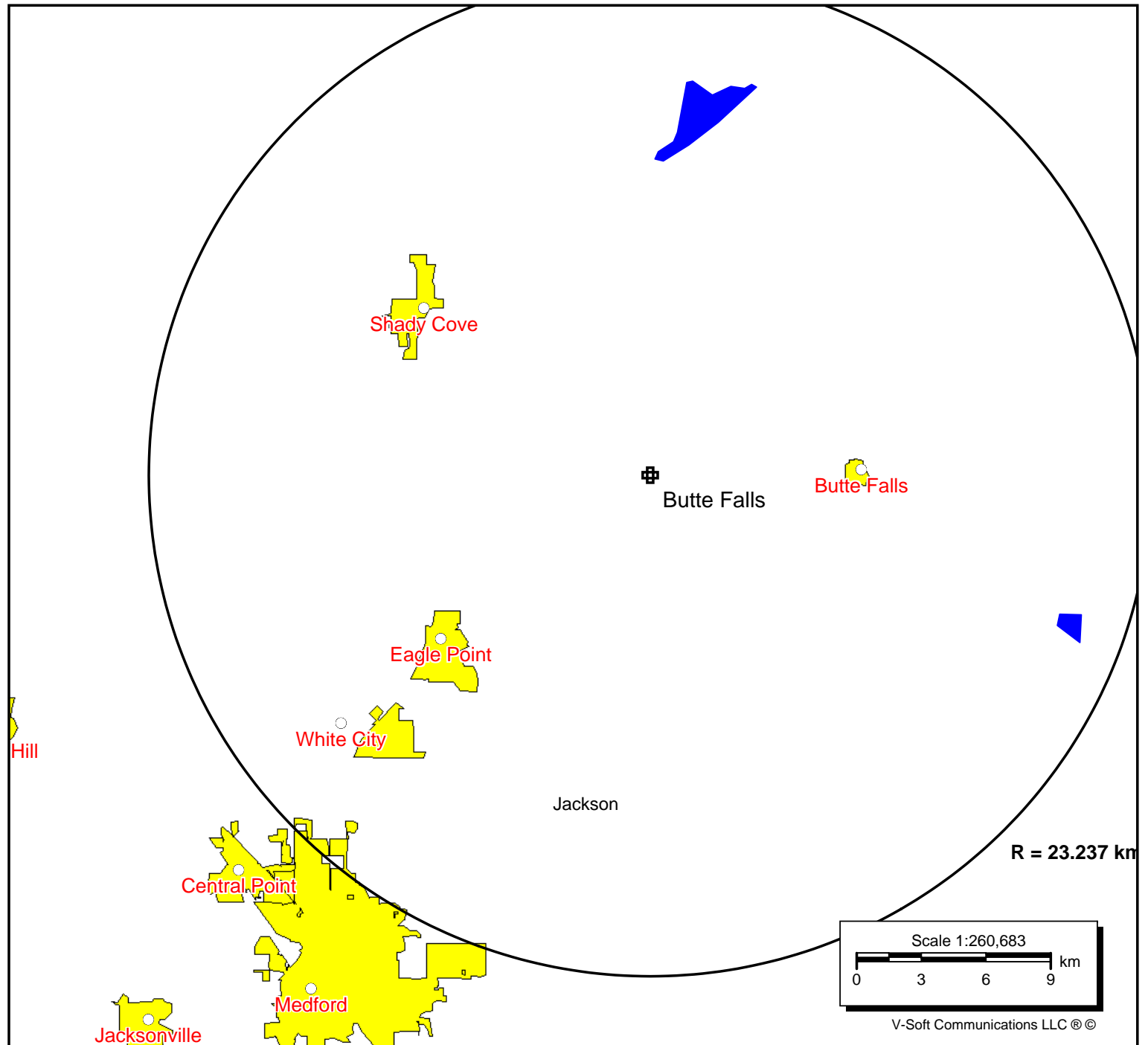
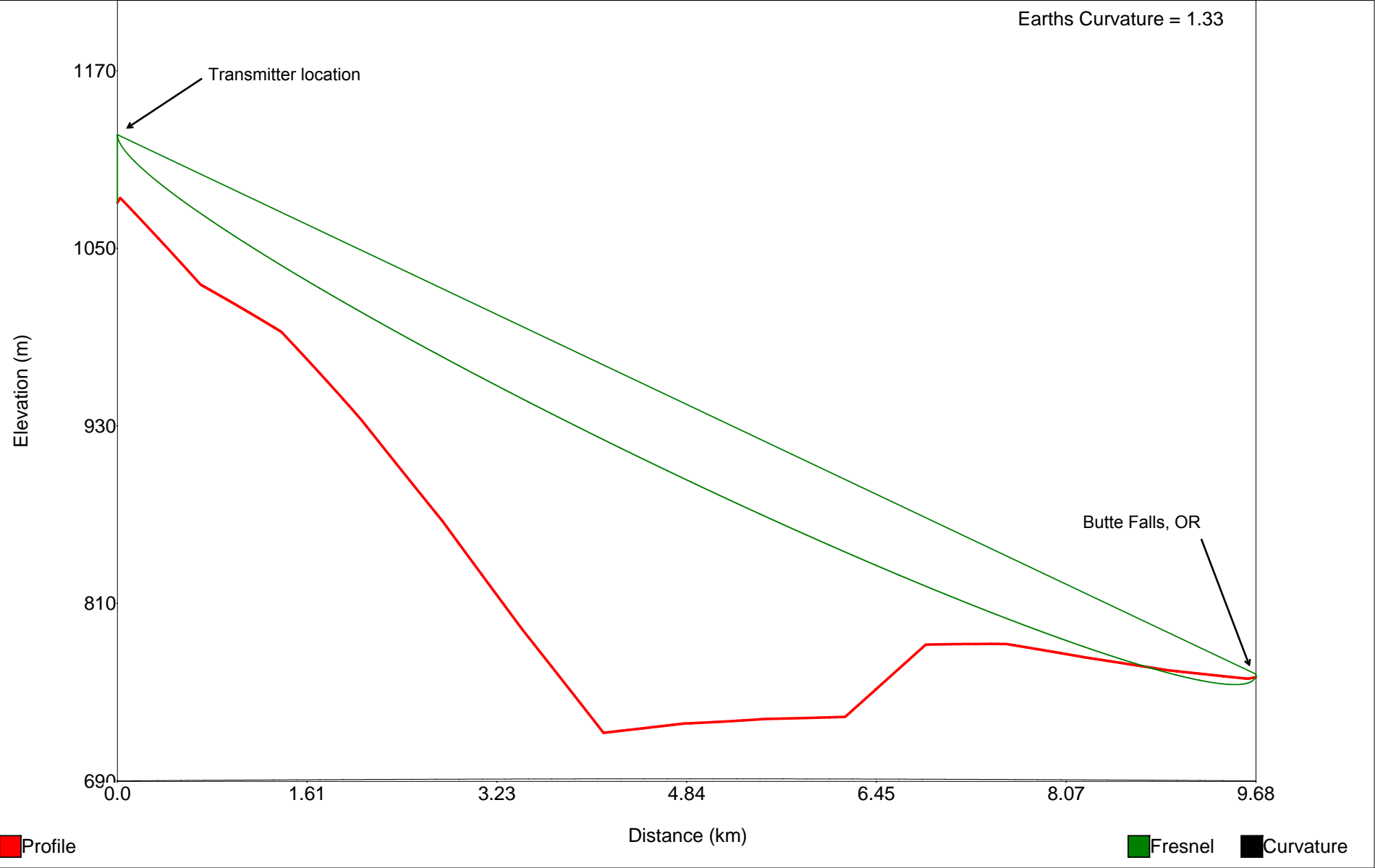


Exhibit 20-B

Butte Falls

Latitude: 42-32-28 N
Longitude: 122-41-01 W
ERP: 0.80 kW
Channel: 225
Frequency: 92.9 MHz
AMSL Height: 1171.0 m
Elevation: 1125.0 m
Horiz. Pattern: Directional
Prop Model:





Starting Latitude: 42-32-28 N
Starting Longitude: 122-41-01 W

End Latitude: 42-32-37.56 N
End Longitude: 122-33-57.11 W

Distance: 9.68 km
Bearing: 88.21 deg

Transmitter Height (AG) = 46.0 m
Receiver Height (AG) = 2.0 m

Transmitter Elevation = 1080.8 m
Receiver Elevation = 760.1 m

Frequency = 92.9 MHz
Fresnel Zone: 0.6