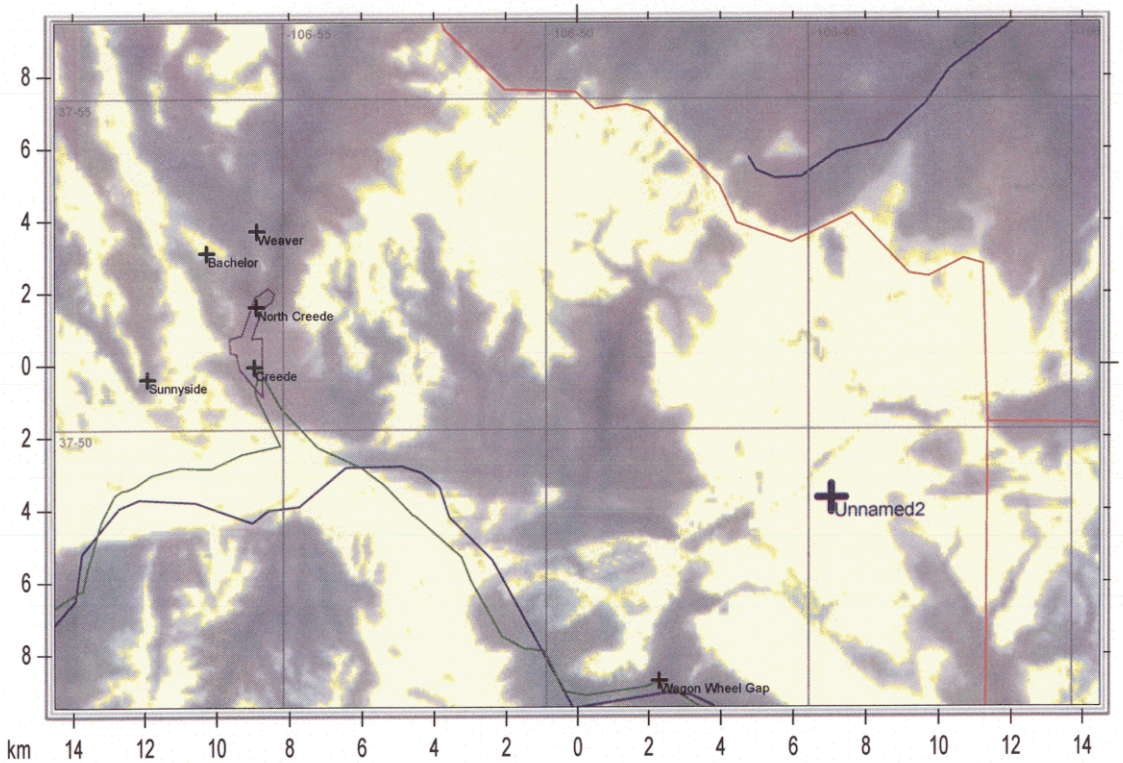
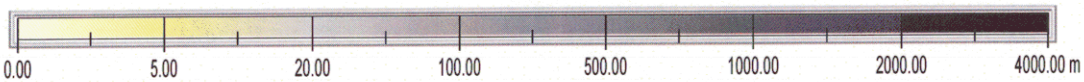
C2 Facility at Unnamed2 Site



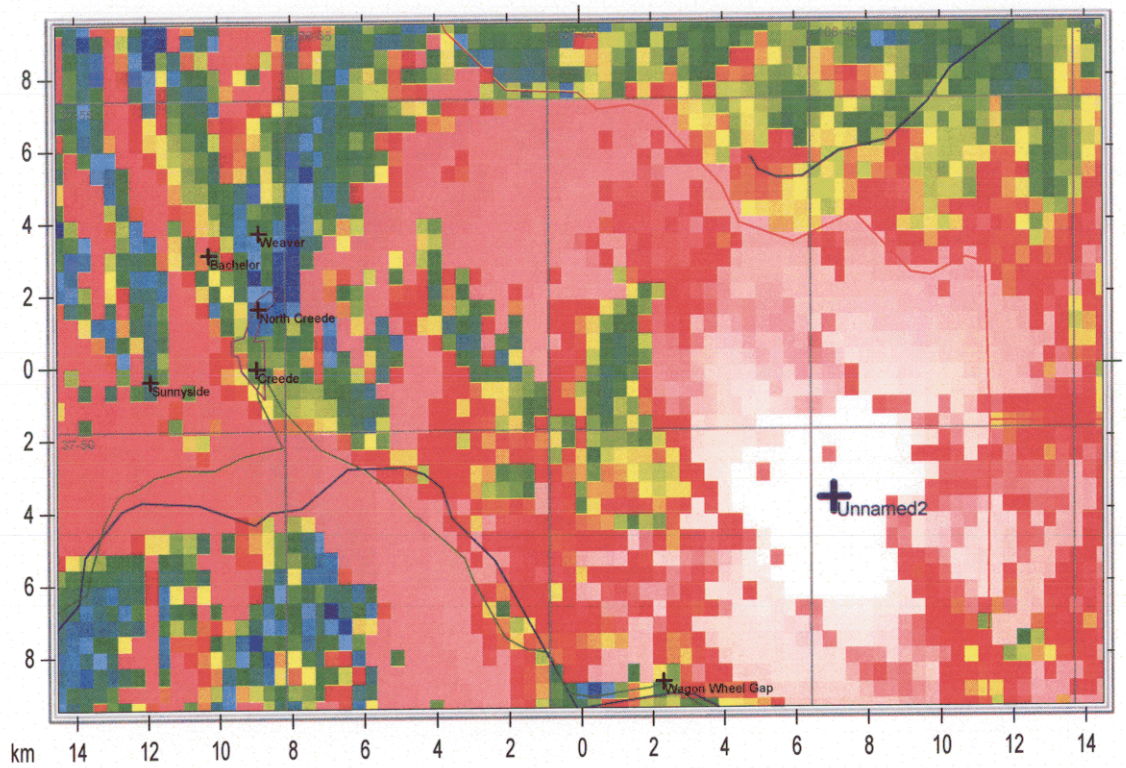
C/R=3684 Meters AMSL ERP=4 KW



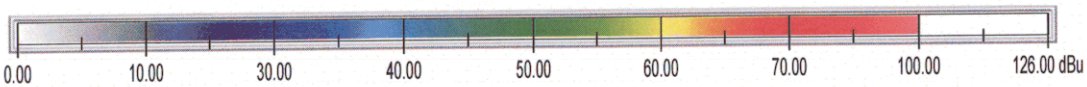
County Borders | State Borders | City Borders | Highways | Water Features | Lat/Lon Grid

Exhibit 9S

C2 Facility at Unnamed2 Site

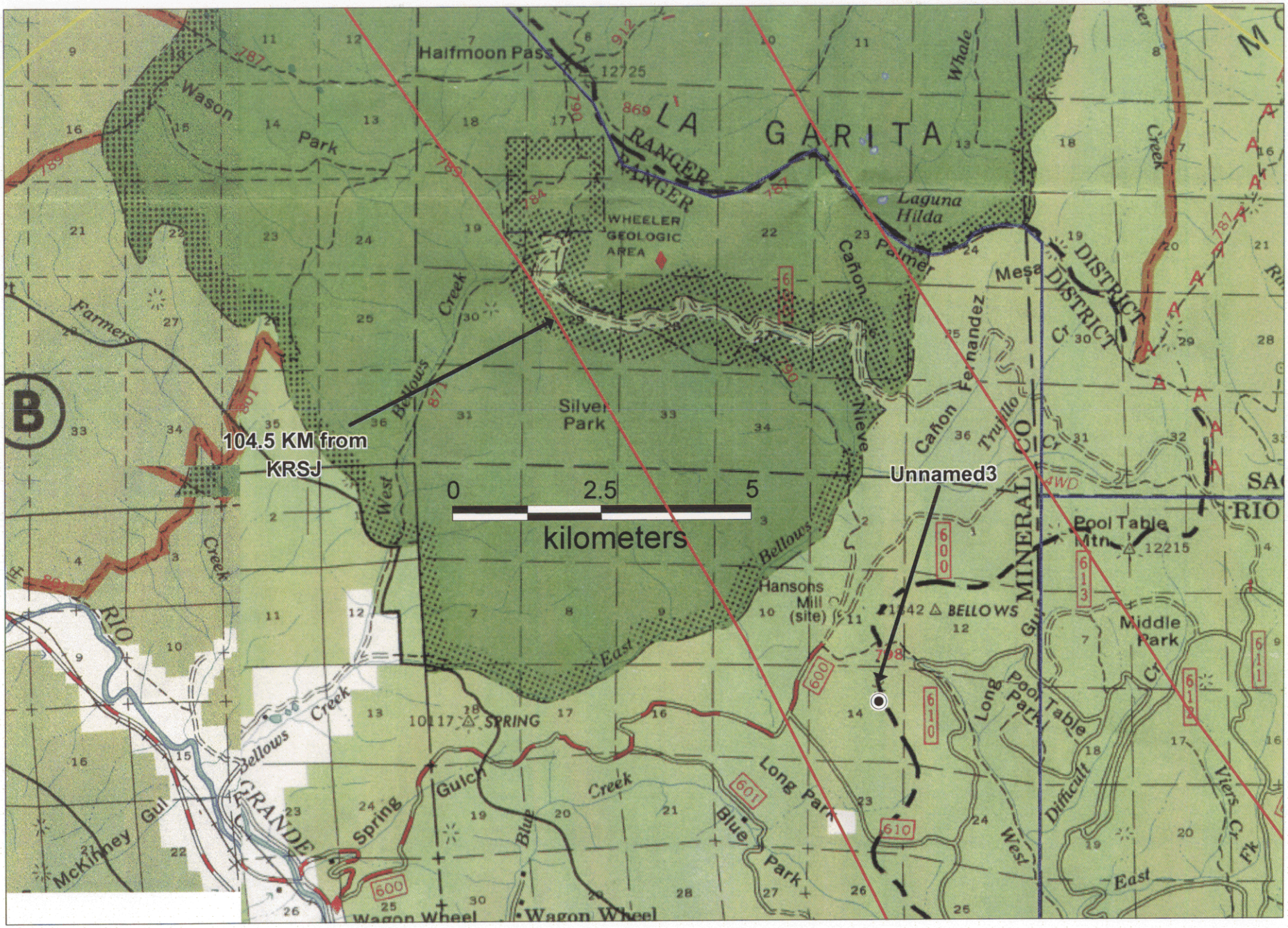


C/R=3684 Meters AMSL ERP=4 KW



County Borders | State Borders | City Borders | Highways | Water Features | Lat/Lon Grid

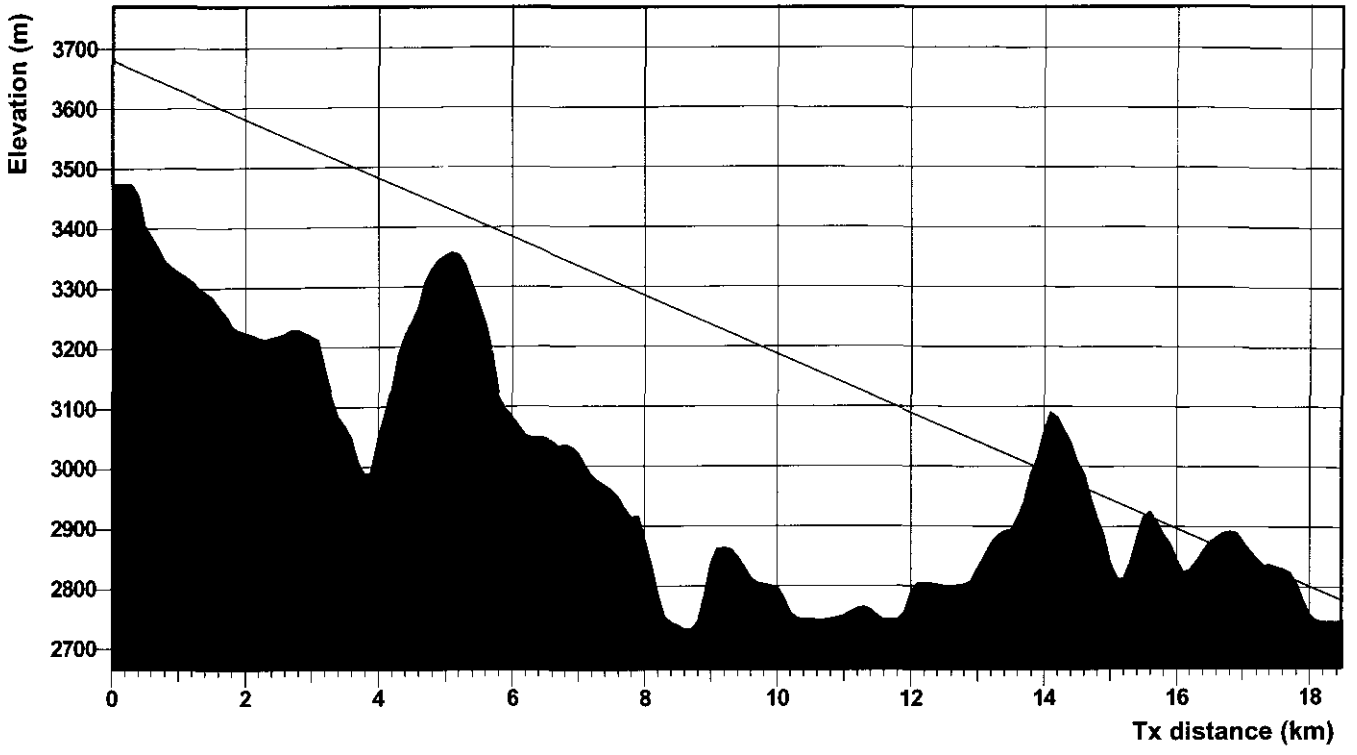
Exhibit 9L



Portion of Rio Grande National Forest Map distributed by the United States Forest Service

Exhibit 10P

Link Study: C:\EDX\Projects\KAVDC0\trn/Unnam3-Creede.trn



SIGNAL®

Prop. model: FCC-FCC
Time: 50.00 % Loc.: 50.00 %
Margin: 0.00 dB
Climate: Continental Temperate
Atm. factor: none
K factors: 1.333, 1.000, 1.000

Reliability Analysis
Fade outage method: ITU-R 530-7
ITU-R terrain type: Inland
ITU-R refract. grad.: 20.0 %
External interf.: -150.0 dBmW
Dispersive fade margin: 80.0 dB
Ant. spacing (diversity): 0.0 m
Rain outage method: ITU-R Rec 530-7
Rain region: f

Transmitter Site: Unnam3
Name: Unnam3
Location:
N37°48'16.00" W106°43'30.00"
Site elevation: 3532.0 m
Antenna height: 150.0 m
Pointing azimuth: 286.8 °
Transmitter power: 0.0005 kW
Trans. line loss: 0.00 dB
Other losses: 0.00 dB
Antenna gain: 17.85 dBd
Antenna file:
Total ERP: 0.05 kW

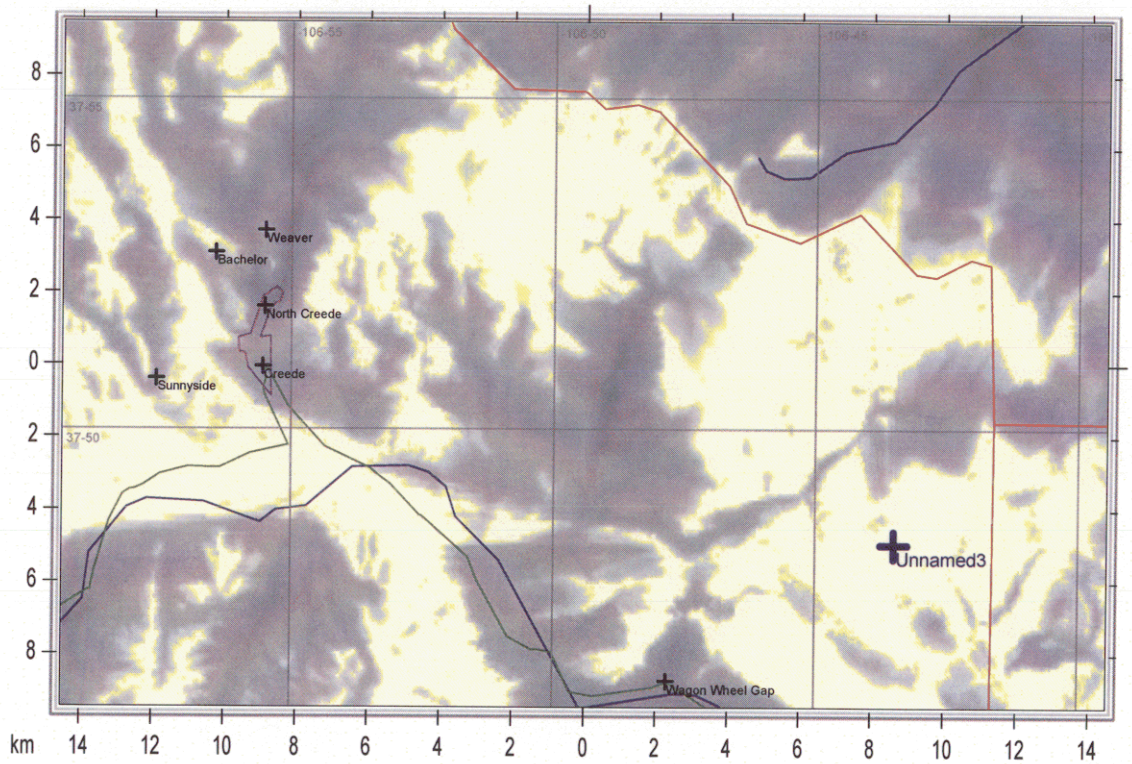
Name: Unnam3 ->Creede
Frequency: 100.1000 MHz
Polarization: horizontal
Length: 18.49 km
Number of obstacles: 0
Excess path loss: 4.23 dB
Atm. absorption loss: 0.00 dB
Path loss for stats: 102.03 dB
Flat fade margin: 56.02 dB
Total fade margin: 55.93 dB
Annual fade outage: 0.00 s
Annual rain outage: 0.00 s
Link availability: 99.9999 %

Receiver Site: Creede
Name: Creede
Location:
N37°51'09.00" W106°55'36.00"
Site elevation: 2768.5 m
Antenna height: 9.1 m
Pointing azimuth: 106.8 °
Trans. line loss: 0.00 dB
Other losses: 0.00 dB
Antenna gain: 17.85 dBd
Antenna file:
Received signal level: -35.04 dBmW

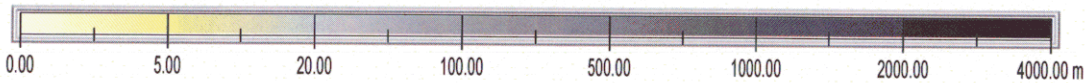
Notes

Exhibit 10T

C2 Facility at Unnamed3 Site



C/R=3682 Meters AMSL ERP=3.2 KW



County Borders | State Borders | City Borders | Highways | Water Features | Lat/Lon Grid

Exhibit 10S