



EDX® SignalPro®

Prop. model: Free Space + RMD
 Time: 50.00 % Loc.: 50.00 %
 Margin: 0.00 dB
 Climate: Continental Temperate
 Atm. factor: none
 K factors: 1.167, 1.000, 1.000

Reliability Analysis

Fade outage method: Vigants-Barnett
 C param. for Vigants-Barnett:
 average prop. conditions: C=1
 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: Crane
 Rain region: f

Transmitter Site: MC
 Name: Muckish
 Location:
 N55°06'08.70" W8°00'03.70"
 Site elevation: 660.5 m
 Antenna height: 2.0 m
 Pointing azimuth: 43.5 °
 Transmitter power: 35.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 35.00 dBi
 Antenna file:
 Total EIRP: 70.00 dBW

Name: MC ->BN
 Frequency: 870.0000 MHz
 Polarization: horizontal
 Length: 265.00 km
 Number of obstacles: 5
 Excess path loss: 32.14 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 171.85 dB
 Flat fade margin: 69.39 dB
 Total fade margin: 67.82 dB
 Annual fade outage: 12.66 s
 Annual rain outage: 0.00 s
 Link availability: 99.9999 %

Receiver Site: BN
 Name: Ben Nevis
 Location:
 N56°47'48.70" W5°00'12.40"
 Site elevation: 1344.0 m
 Antenna height: 2.0 m
 Pointing azimuth: 223.5 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 35.00 dBi
 Antenna file:
 Received signal level: -36.85 dBmW

Notes