

**SIGNAL™**

Prop. model: FCC + RMD
 Time: 50.00 % Loc.: 50.00 %
 Margin: 0.00 dB
 Climate: Continental Temperate
 Atm. factor: none
 K factors: 1.333, 0.500, 2.000

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.: 10.0 %
 External interf.: -200.0 dBmW
 Dispersive fade margin: 80.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

Transmitter Site: WSKADT
 Name: Transmitter Site
 Location:
 N42°08'29.73" W77°04'39.11"
 Site elevation: 512.0 m
 Antenna height: 177.0 m
 Pointing azimuth: 348.5 °
 Transmitter power: 10.14 dBkW
 Trans. line loss: 1.00 dB
 Other losses: 0.00 dB
 Antenna gain: 7.85 dBd
 Antenna file:
 Total ERP: 19.14 dBkW

Name: WSKADT ->Peter34
 Frequency: 567.2500 MHz
 Polarization: vertical
 Length: 210.76 km
 Number of obstacles: 9
 Excess path loss: 140.68 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 274.68 dB
 Flat fade margin: -99.90 dB
 Total fade margin: -99.90 dB
 Annual fade outage: 3942000.00 s
 Annual rain outage: 0.00 s
 Link availability: 50.0000 %

Receiver Site: Peter34
 Name: Peterboro DTV right cent
 Location:
 N43°59'55.13" W77°36'14.85"
 Site elevation: 0.0 m
 Antenna height: 9.1 m
 Pointing azimuth: 168.5 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 6.00 dBd
 Antenna file:
 Received signal level: -247.39 dBkW

Notes

prepared by
 Larry H. Will, P.E.
 Glen Mills PA 19342

TERRAIN PROFILE

WSKA to Peterborough ON