

**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: 328.5 °  
 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 ->Peter32  
 Frequency: 567.2500 MHz  
 Polarization: vertical  
 Length: 242.76 km  
 Number of obstacles: 9  
 Excess path loss: 140.20 dB  
 Atm. absorption loss: 0.00 dB  
 Path loss for stats: 275.43 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: Peter32  
 Name: Peterboro DTV left cente  
 Location:  
 N43°59'34.39" W78°39'53.69"  
 Site elevation: 175.7 m  
 Antenna height: 9.1 m  
 Pointing azimuth: 148.5 °  
 Trans. line loss: 0.00 dB  
 Other losses: 0.00 dB  
 Antenna gain: 6.00 dBd  
 Antenna file:  
 Received signal level: -248.14 dBkW

Notes

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**TERRAIN PROFILE**

WSKA to Peterborough ON