



**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: 1.170, 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: KUX2  
 Name: Woodland  
 Location:  
 N54°37'59.10" W1°53'33.30"  
 Site elevation: 354.1 m  
 Antenna height: 3.0 m  
 Pointing azimuth: 149.4 °  
 Transmitter power: 0.00 dBW  
 Trans. line loss: 0.00 dB  
 Other losses: 0.00 dB  
 Antenna gain: 35.00 dBi  
 Antenna file:  
 Total EIRP: 35.00 dBW

Name: KUX2 ->DRAX  
 Frequency: 24000.0000 MHz  
 Polarization: horizontal  
 Length: 115.27 km  
 Number of obstacles: 0  
 Excess path loss: -3.25 dB  
 Atm. absorption loss: 0.00 dB  
 Path loss for stats: 158.05 dB  
 Flat fade margin: 48.19 dB  
 Total fade margin: 48.18 dB  
 Annual fade outage: 2649.18 s  
 Annual rain outage: 0.00 s  
 Link availability: 99.9916 %

Receiver Site: DRAX  
 Name: Drax Chimney  
 Location:  
 N53°44'14.00" W0°59'56.50"  
 Site elevation: 22.3 m  
 Antenna height: 260.0 m  
 Pointing azimuth: 329.4 °  
 Trans. line loss: 0.00 dB  
 Other losses: 0.00 dB  
 Antenna gain: 35.00 dBi  
 Antenna file:  
 Received signal level: -58.05 dBmW

Notes