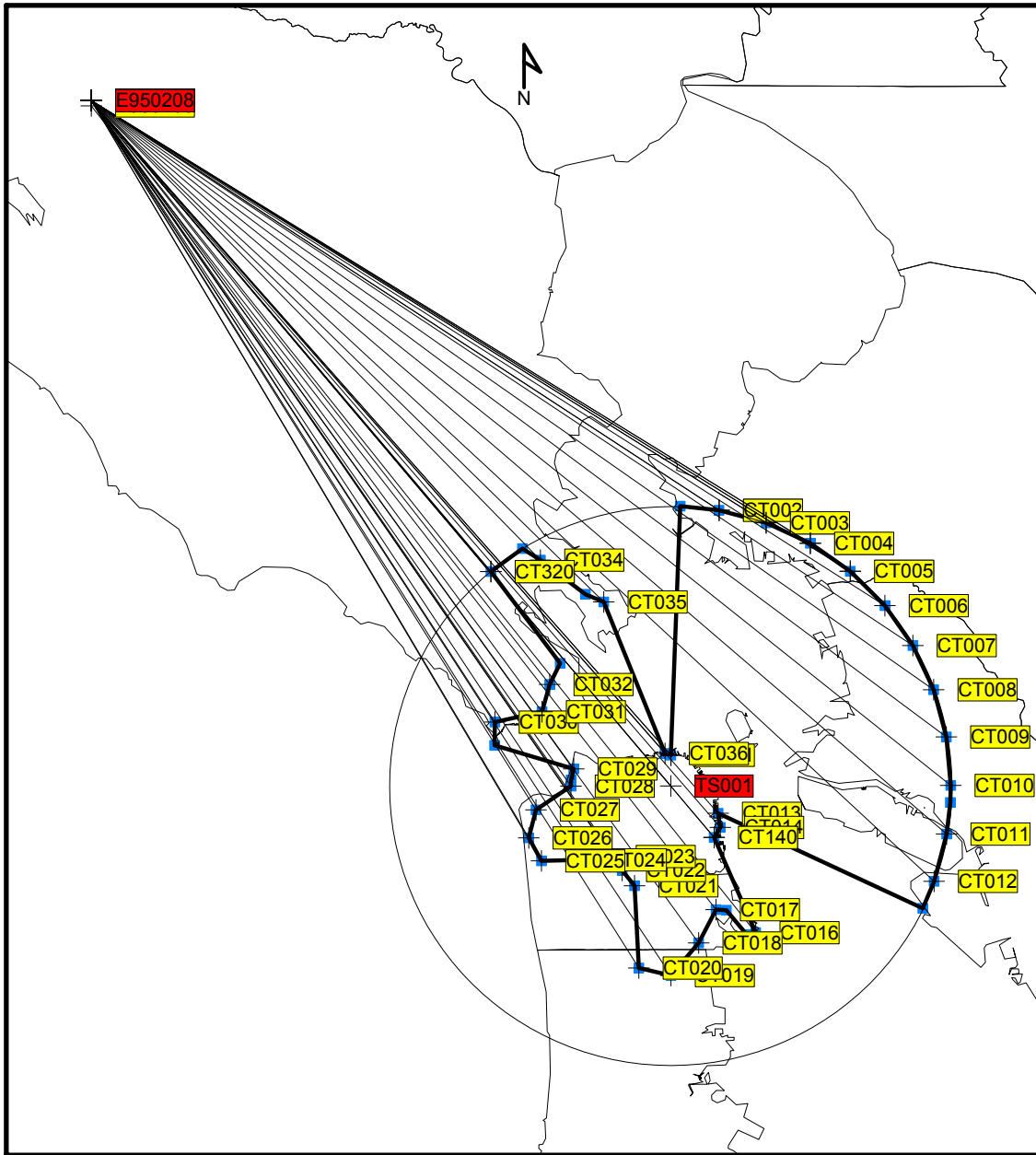


The following pages contain path study details for the proposed base station and CPE test locations to the following location:

Call Sign, File No.: E950208, SESMOD2001032600656

Location THREE PEAKS, CA: 38-8-52, 122-47-38



EDX SignalPro™: SANF37a.map

Prop. model: Longley-Rice v1.2.2

Time: 50.0% Loc.: 50.0%

Prediction Confidence Margin: 0.0dB

Climate: Continental Temperate

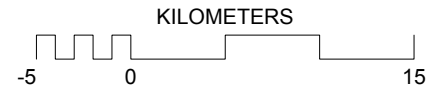
Land use (clutter): EDX-ASCII land use (clutter) data format

Atmospheric Abs.: none

K Factor: 1.333

RX Antenna - Type: OMNI

Height: 10.0 m AGL Gain: -2.15 dBd

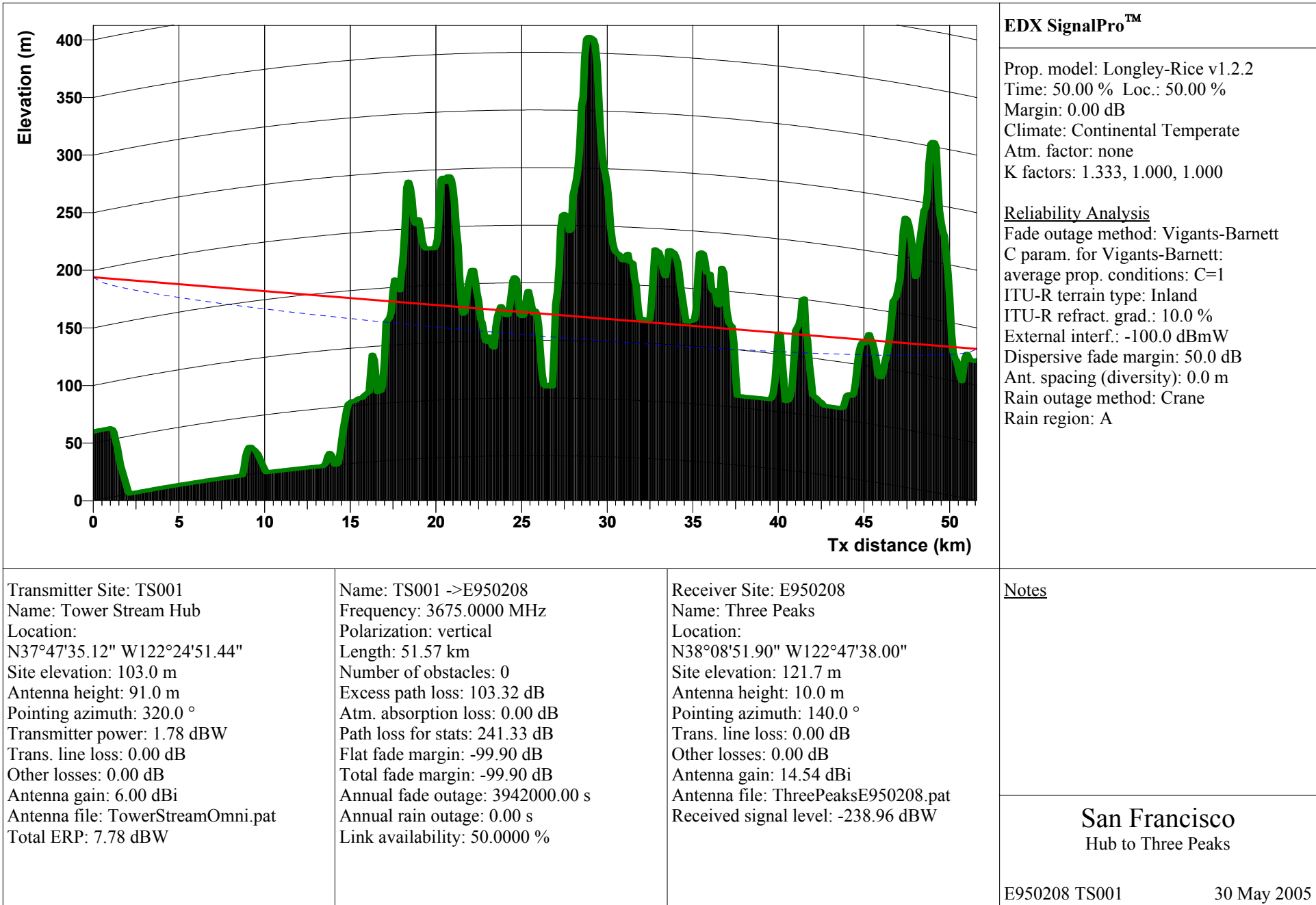


San Francisco

CT to Three Peaks

E950208 Map

30 May 2005



EDX SignalPro™

Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

Transmitter Site: TS001
 Name: Tower Stream Hub
 Location:
 N37°47'35.12" W122°24'51.44"
 Site elevation: 103.0 m
 Antenna height: 91.0 m
 Pointing azimuth: 320.0 °
 Transmitter power: 1.78 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 6.00 dBi
 Antenna file: TowerStreamOmni.pat
 Total ERP: 7.78 dBW

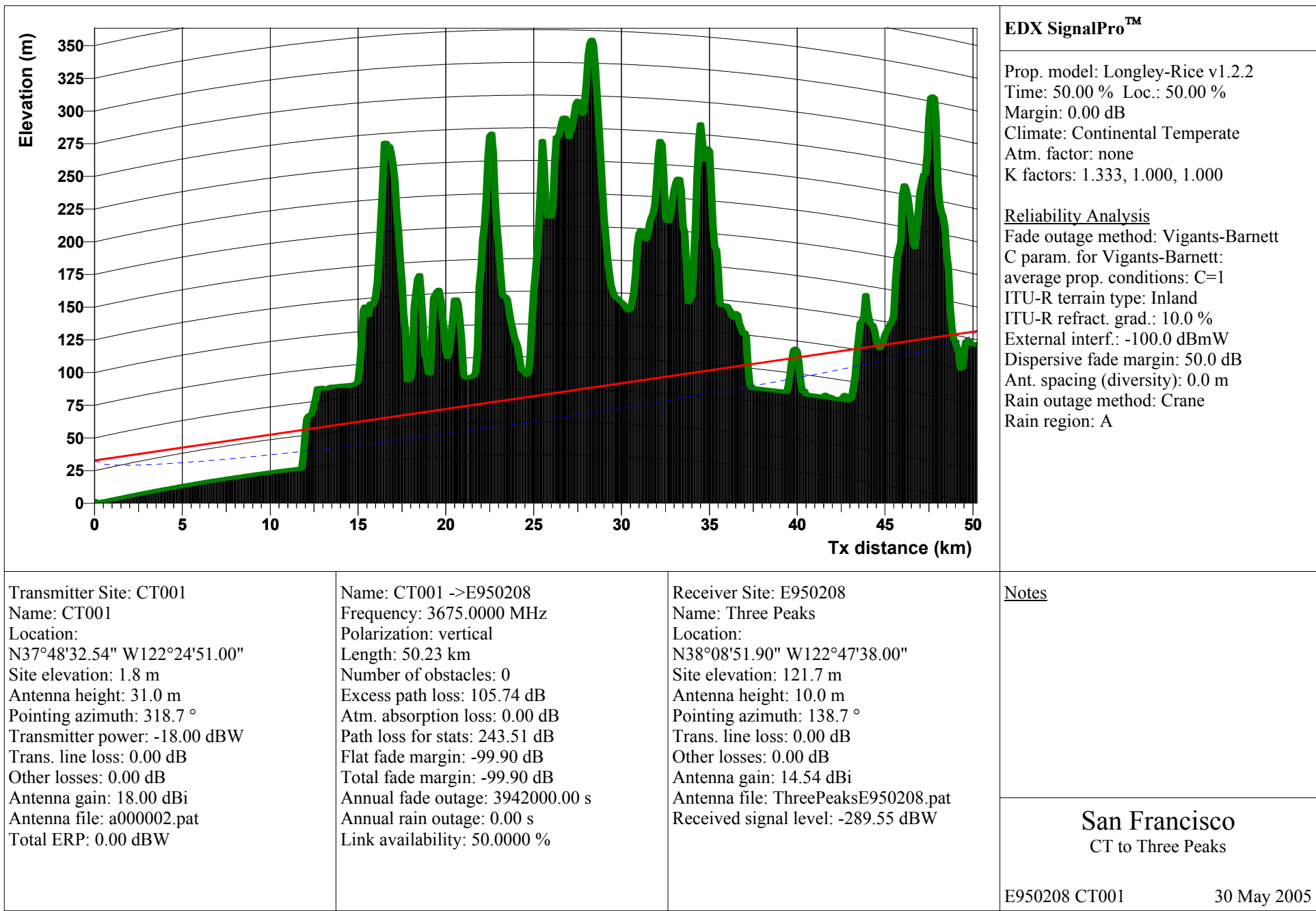
Name: TS001 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 51.57 km
 Number of obstacles: 0
 Excess path loss: 103.32 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 241.33 dB
 Flat fade margin: -99.90 dB
 Total fade margin: -99.90 dB
 Annual fade outage: 3942000.00 s
 Annual rain outage: 0.00 s
 Link availability: 50.0000 %

Receiver Site: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 140.0 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -238.96 dBW

Notes

San Francisco
 Hub to Three Peaks

E950208 TS001 30 May 2005



EDX SignalPro™

Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

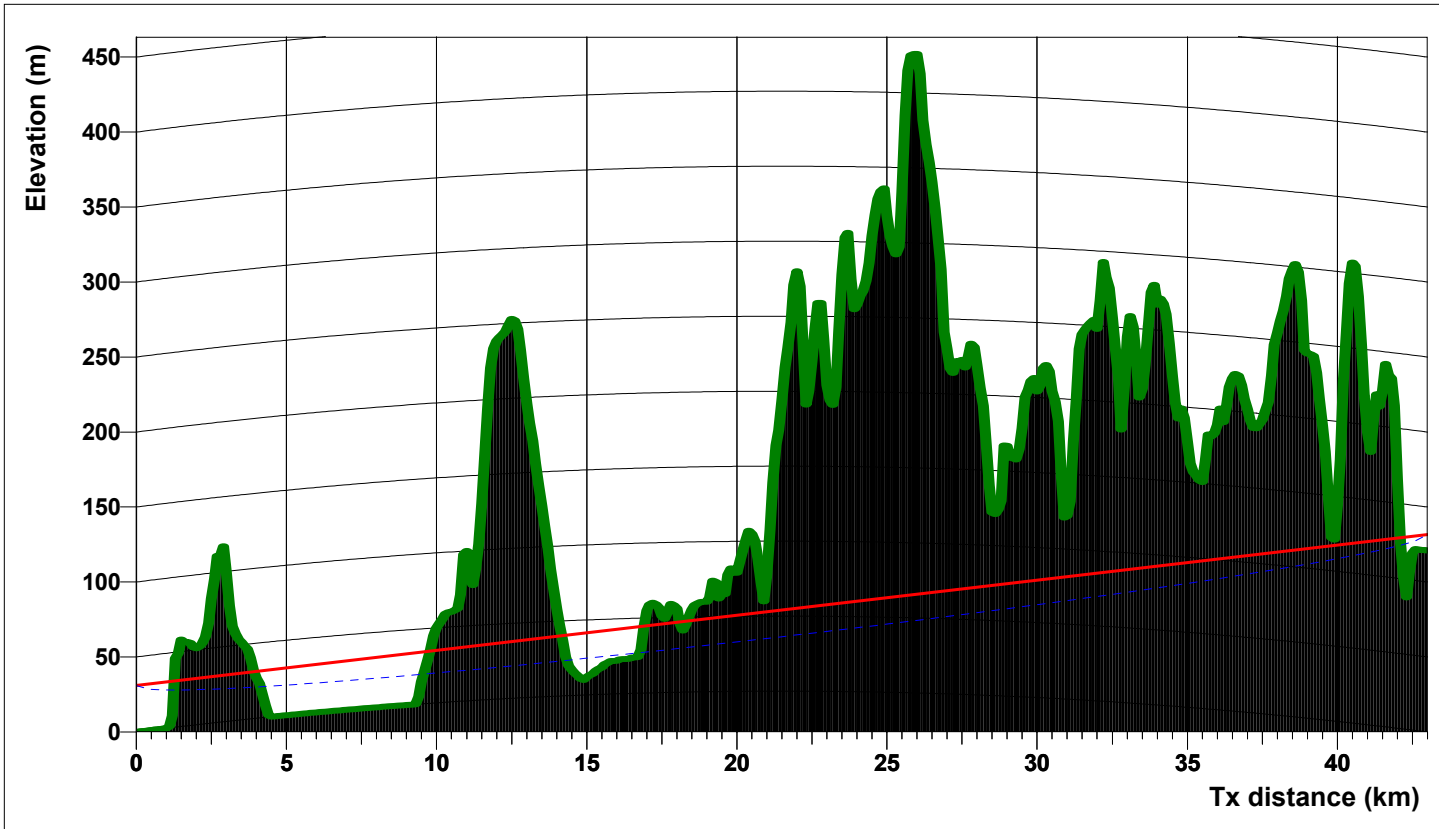
Transmitter Site: CT001
 Name: CT001
 Location:
 N37°48'32.54" W122°24'51.00"
 Site elevation: 1.8 m
 Antenna height: 31.0 m
 Pointing azimuth: 318.7 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

Name: CT001 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 50.23 km
 Number of obstacles: 0
 Excess path loss: 105.74 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 243.51 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: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 138.7 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -289.55 dBW

Notes

San Francisco
 CT to Three Peaks



EDX SignalPro™

Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

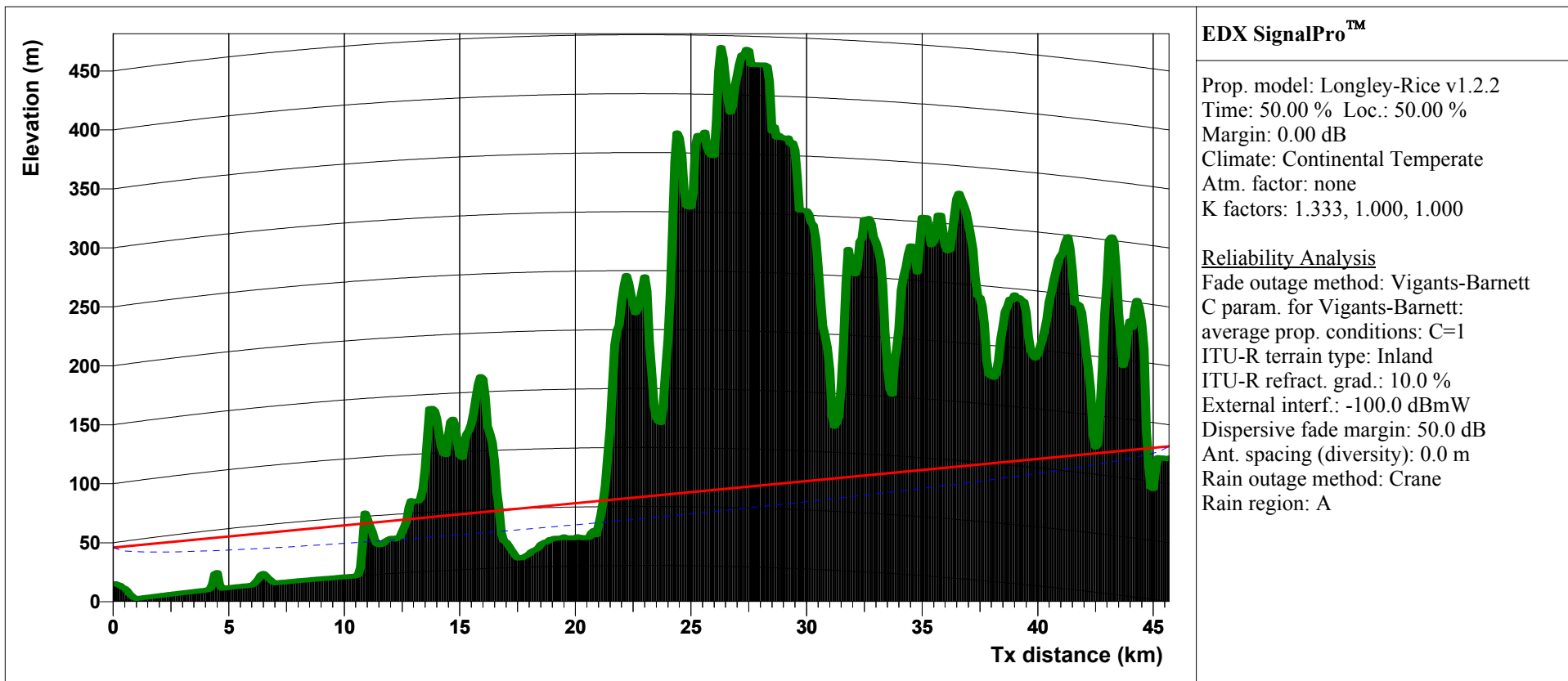
Transmitter Site: CT002
 Name: CT002
 Location:
 N37°56'09.19" W122°22'57.00"
 Site elevation: 0.0 m
 Antenna height: 31.0 m
 Pointing azimuth: 303.3 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

Name: CT002 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 43.02 km
 Number of obstacles: 0
 Excess path loss: 106.32 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 242.74 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: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 123.3 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -282.37 dBW

Notes

San Francisco
 CT to Three Peaks



EDX SignalPro™

Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

Transmitter Site: CT003
 Name: CT003
 Location:
 N37°55'45.64" W122°21'06.50"
 Site elevation: 14.9 m
 Antenna height: 31.0 m
 Pointing azimuth: 302.2 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

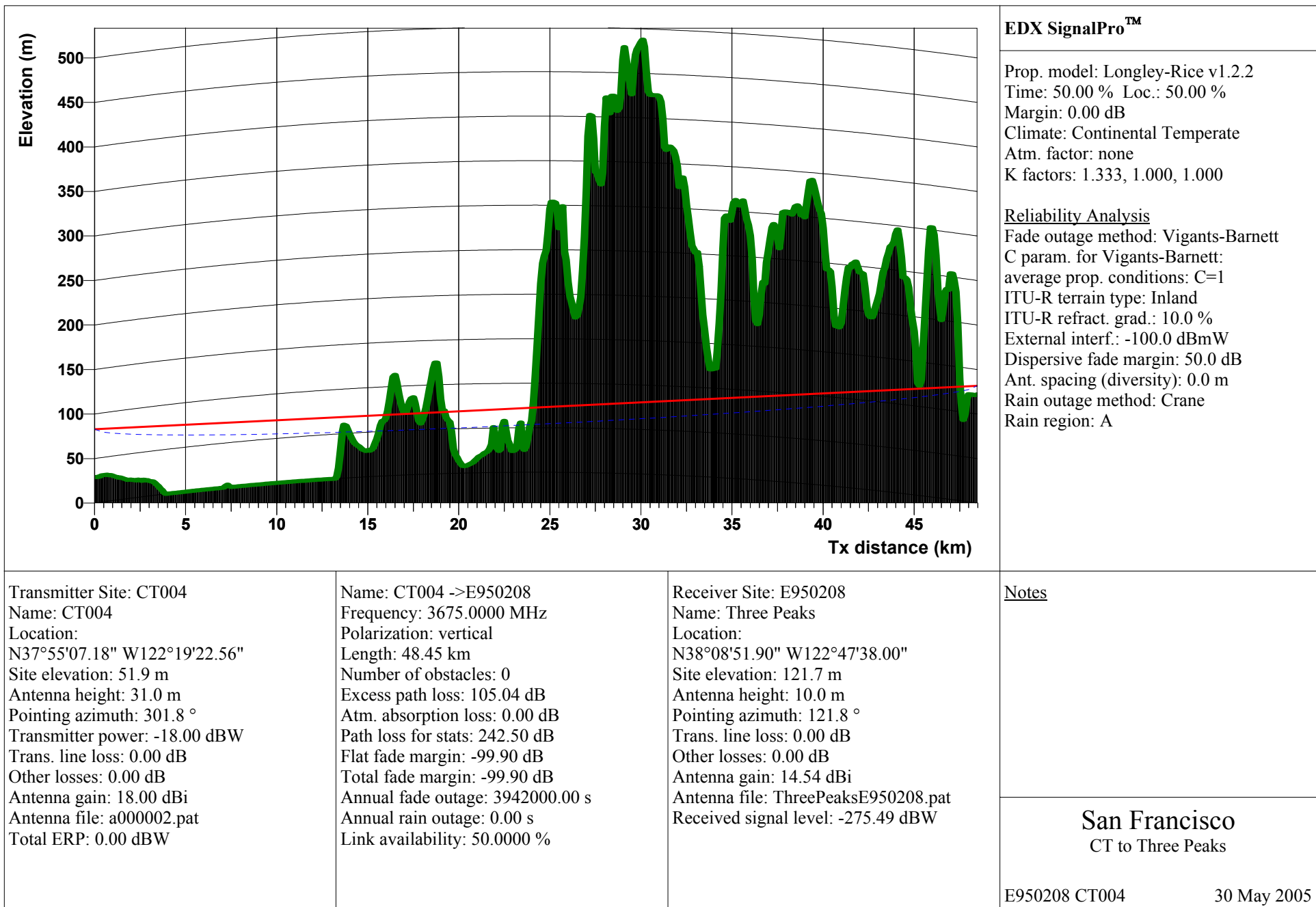
Name: CT003 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 45.68 km
 Number of obstacles: 0
 Excess path loss: 104.67 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 241.62 dB
 Flat fade margin: -99.90 dB
 Total fade margin: -99.90 dB
 Annual fade outage: 3942000.00 s
 Annual rain outage: 0.00 s
 Link availability: 50.0000 %

Receiver Site: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 122.2 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -274.75 dBW

Notes

San Francisco
 CT to Three Peaks

E950208 CT003 30 May 2005



EDX SignalPro™

Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

Transmitter Site: CT004
 Name: CT004
 Location:
 N37°55'07.18" W122°19'22.56"
 Site elevation: 51.9 m
 Antenna height: 31.0 m
 Pointing azimuth: 301.8 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

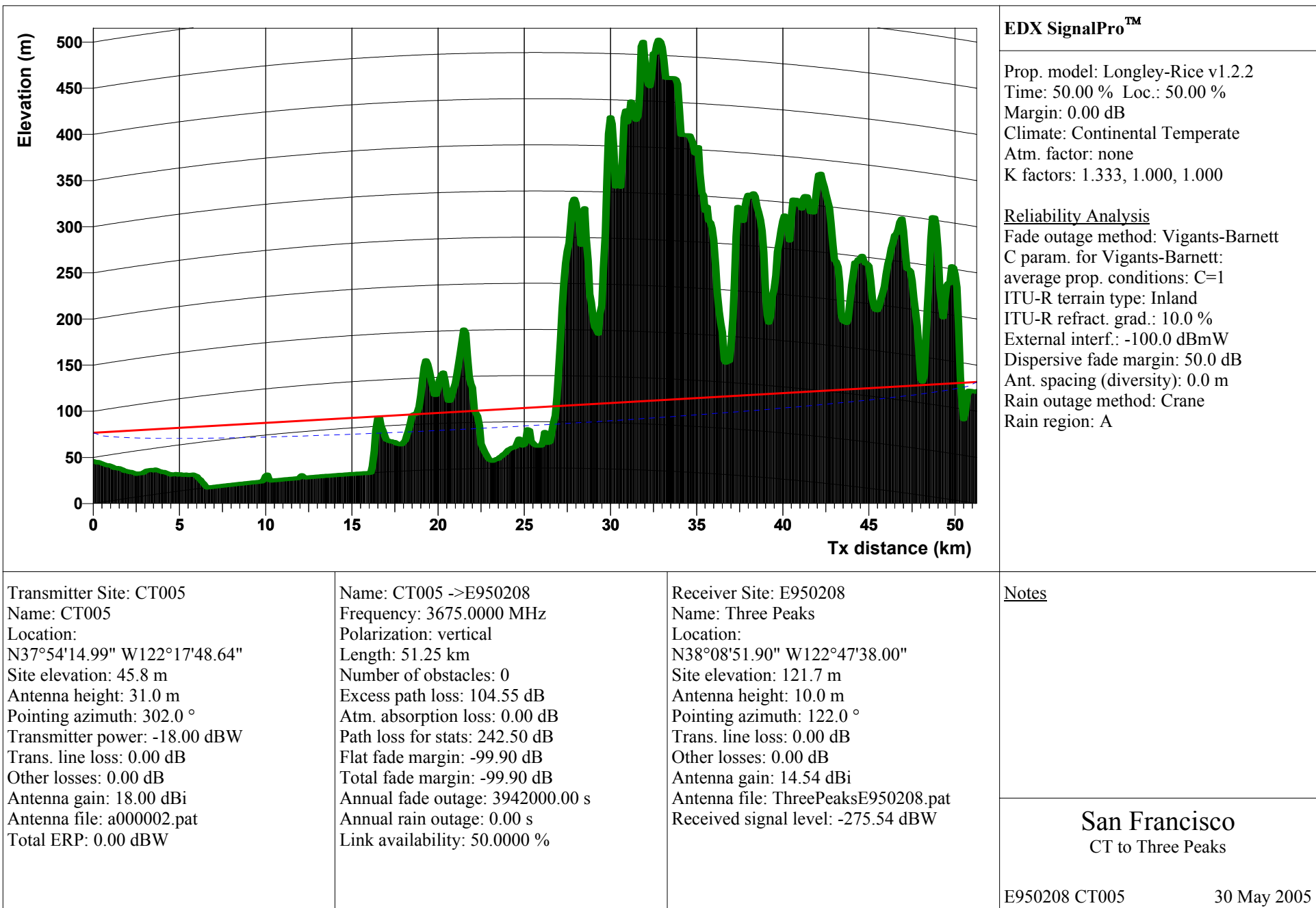
Name: CT004 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 48.45 km
 Number of obstacles: 0
 Excess path loss: 105.04 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 242.50 dB
 Flat fade margin: -99.90 dB
 Total fade margin: -99.90 dB
 Annual fade outage: 3942000.00 s
 Annual rain outage: 0.00 s
 Link availability: 50.0000 %

Receiver Site: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 121.8 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -275.49 dBW

Notes

San Francisco
 CT to Three Peaks

E950208 CT004 30 May 2005



EDX SignalPro™

Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

Transmitter Site: CT005
 Name: CT005
 Location:
 N37°54'14.99" W122°17'48.64"
 Site elevation: 45.8 m
 Antenna height: 31.0 m
 Pointing azimuth: 302.0 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

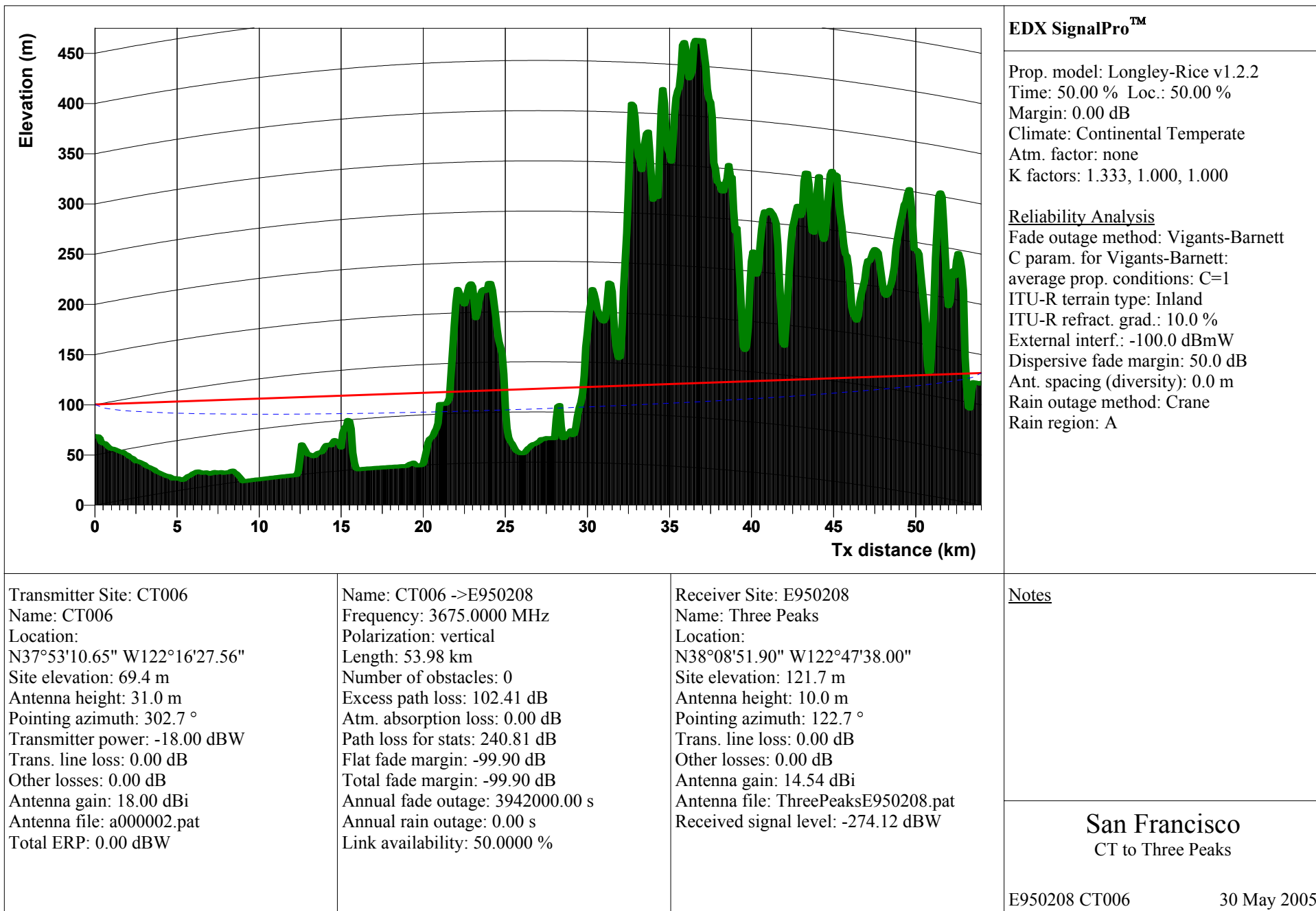
Name: CT005 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 51.25 km
 Number of obstacles: 0
 Excess path loss: 104.55 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 242.50 dB
 Flat fade margin: -99.90 dB
 Total fade margin: -99.90 dB
 Annual fade outage: 3942000.00 s
 Annual rain outage: 0.00 s
 Link availability: 50.0000 %

Receiver Site: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 122.0 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -275.54 dBW

Notes

San Francisco
 CT to Three Peaks

E950208 CT005 30 May 2005



EDX SignalPro™

Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

Transmitter Site: CT006
 Name: CT006
 Location:
 N37°53'10.65" W122°16'27.56"
 Site elevation: 69.4 m
 Antenna height: 31.0 m
 Pointing azimuth: 302.7 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

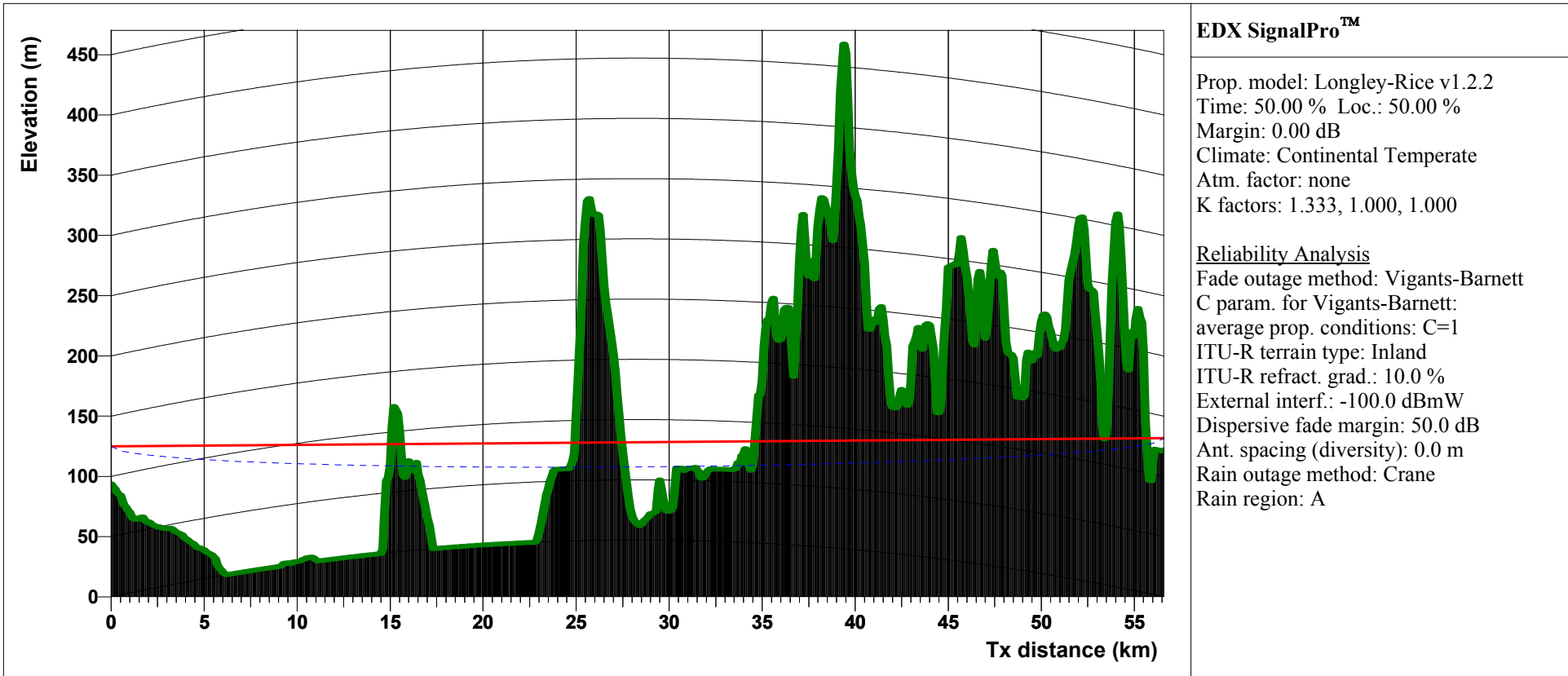
Name: CT006 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 53.98 km
 Number of obstacles: 0
 Excess path loss: 102.41 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 240.81 dB
 Flat fade margin: -99.90 dB
 Total fade margin: -99.90 dB
 Annual fade outage: 3942000.00 s
 Annual rain outage: 0.00 s
 Link availability: 50.0000 %

Receiver Site: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 122.7 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -274.12 dBW

Notes

San Francisco
 CT to Three Peaks

E950208 CT006 30 May 2005



EDX SignalPro™

Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

Transmitter Site: CT007
 Name: CT007
 Location:
 N37°51'56.12" W122°15'21.80"
 Site elevation: 94.0 m
 Antenna height: 31.0 m
 Pointing azimuth: 303.8 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

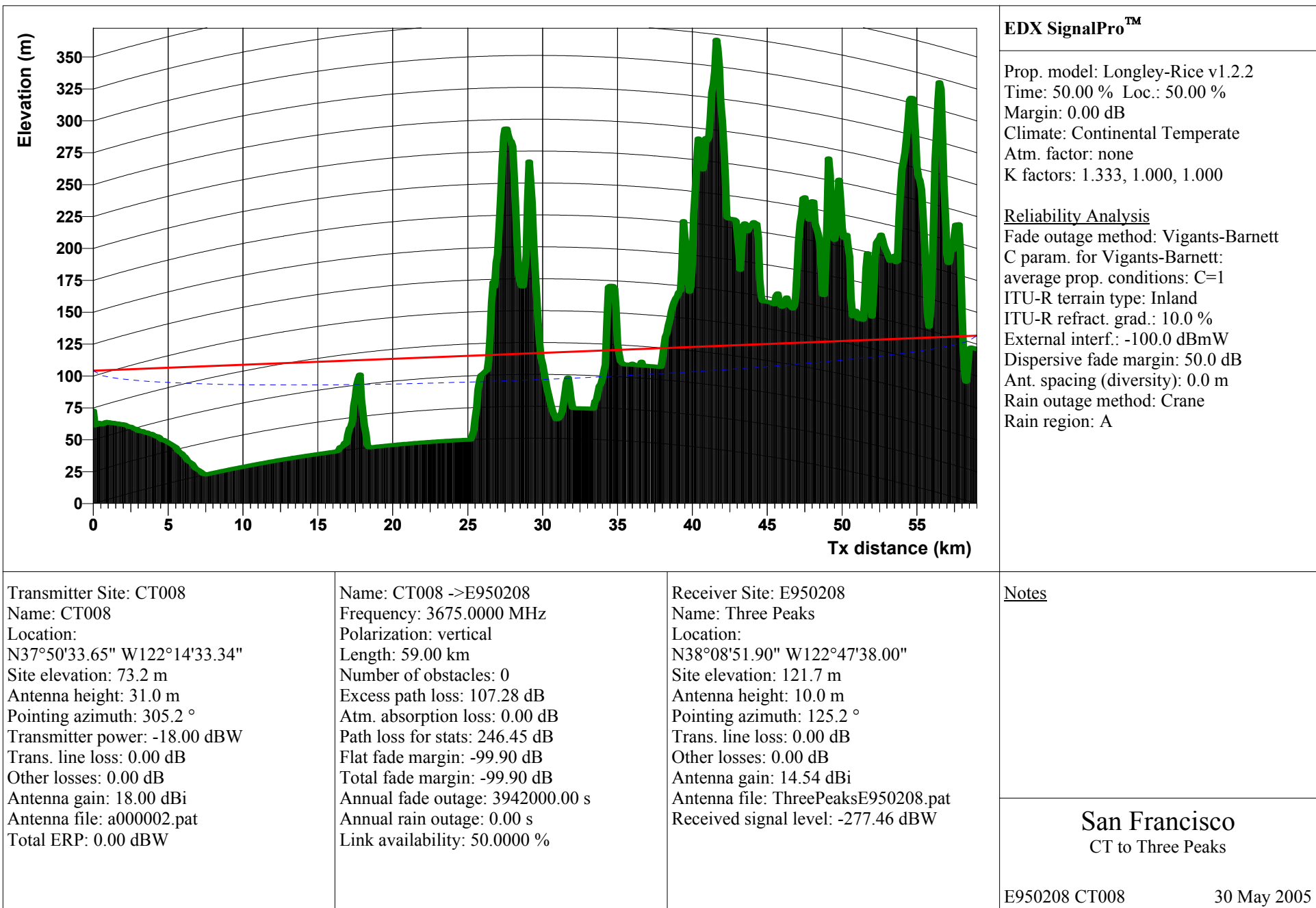
Name: CT007 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 56.58 km
 Number of obstacles: 0
 Excess path loss: 99.23 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 238.04 dB
 Flat fade margin: -99.90 dB
 Total fade margin: -99.90 dB
 Annual fade outage: 3942000.00 s
 Annual rain outage: 0.00 s
 Link availability: 50.0000 %

Receiver Site: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 123.8 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -268.54 dBW

Notes

San Francisco
 CT to Three Peaks

E950208 CT007 30 May 2005



EDX SignalPro™

Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

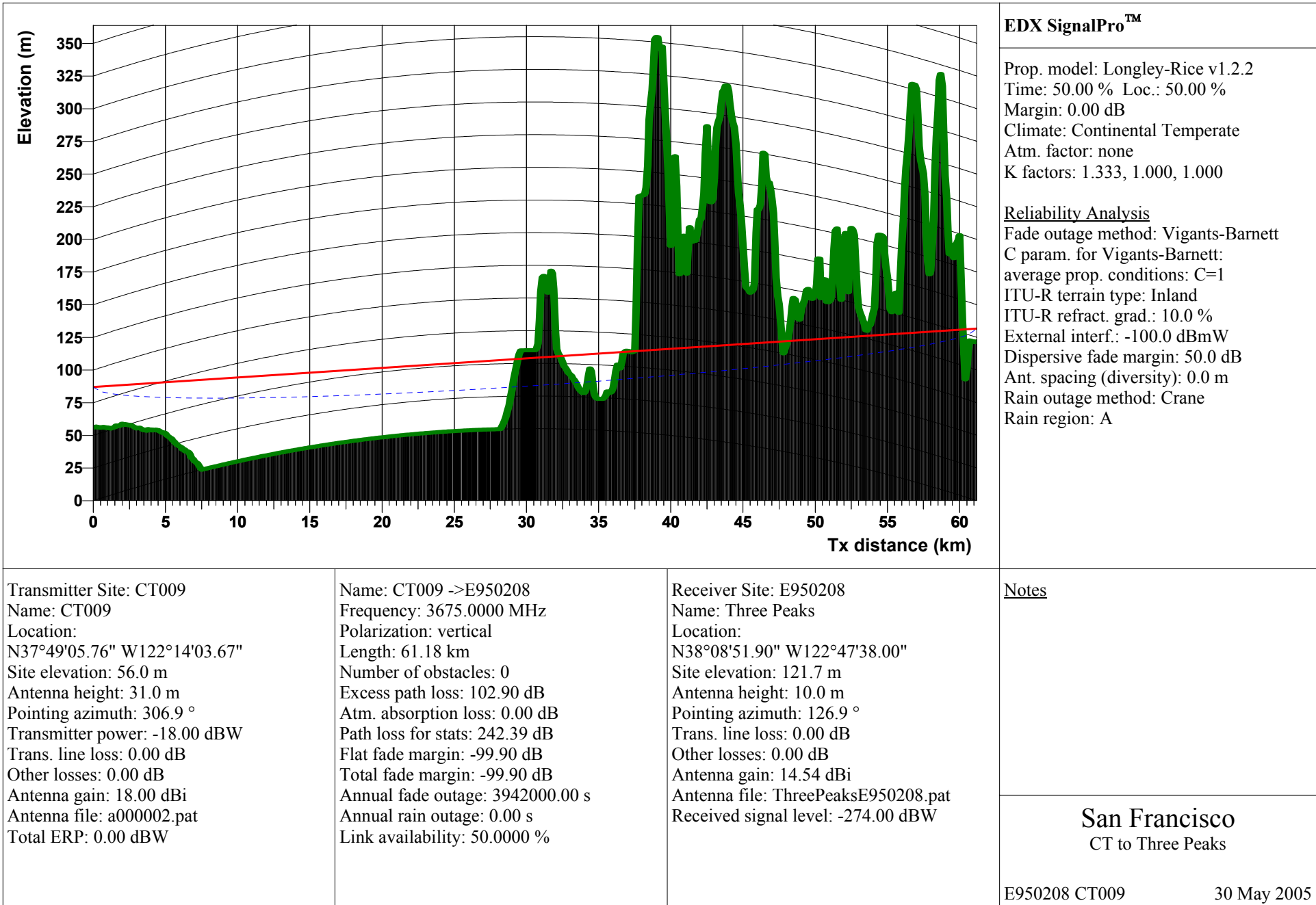
Transmitter Site: CT008
 Name: CT008
 Location:
 N37°50'33.65" W122°14'33.34"
 Site elevation: 73.2 m
 Antenna height: 31.0 m
 Pointing azimuth: 305.2 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

Name: CT008 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 59.00 km
 Number of obstacles: 0
 Excess path loss: 107.28 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 246.45 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: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 125.2 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -277.46 dBW

Notes

San Francisco
 CT to Three Peaks



EDX SignalPro™

Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

Transmitter Site: CT009
 Name: CT009
 Location:
 N37°49'05.76" W122°14'03.67"
 Site elevation: 56.0 m
 Antenna height: 31.0 m
 Pointing azimuth: 306.9 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

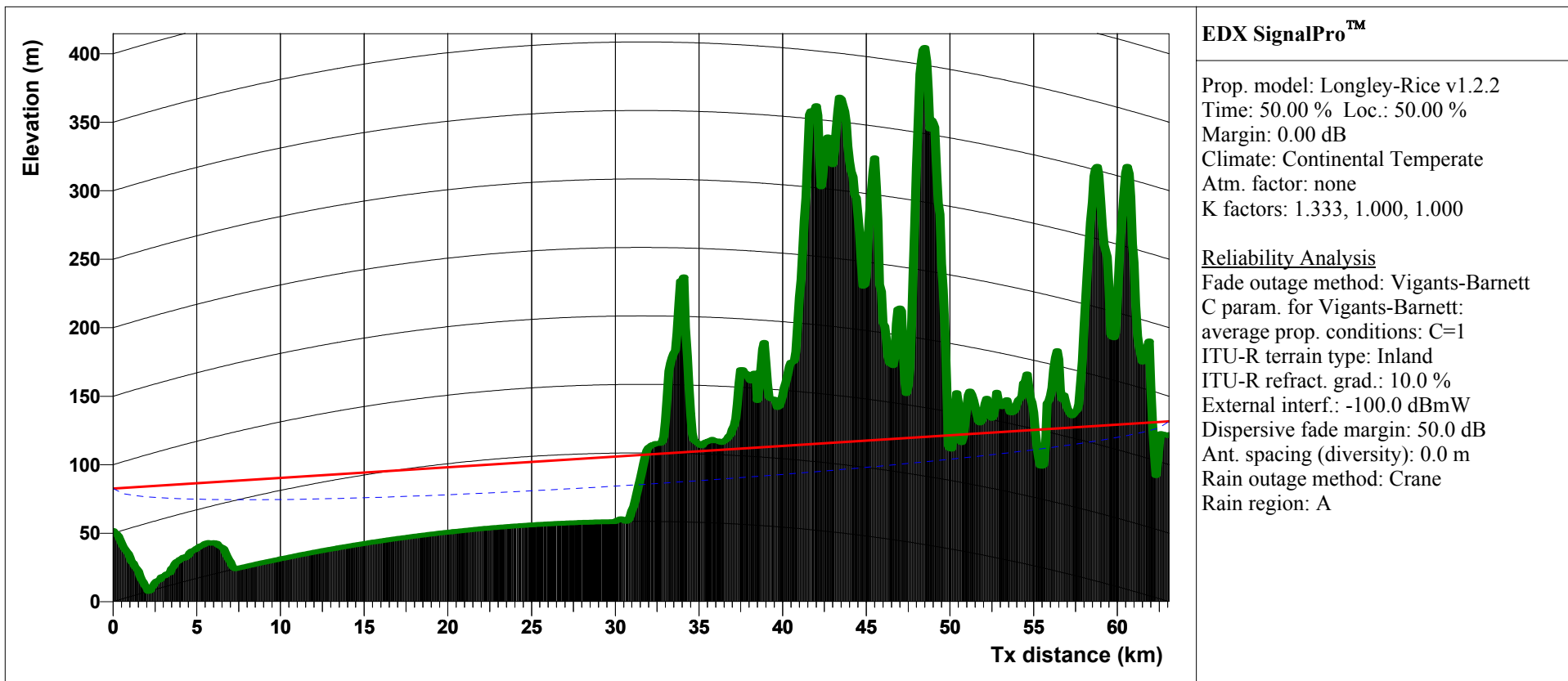
Name: CT009 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 61.18 km
 Number of obstacles: 0
 Excess path loss: 102.90 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 242.39 dB
 Flat fade margin: -99.90 dB
 Total fade margin: -99.90 dB
 Annual fade outage: 3942000.00 s
 Annual rain outage: 0.00 s
 Link availability: 50.0000 %

Receiver Site: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 126.9 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -274.00 dBW

Notes

San Francisco
 CT to Three Peaks

E950208 CT009 30 May 2005



EDX SignalPro™

Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

Transmitter Site: CT010
 Name: CT010
 Location:
 N37°47'35.12" W122°13'53.68"
 Site elevation: 51.6 m
 Antenna height: 31.0 m
 Pointing azimuth: 308.8 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

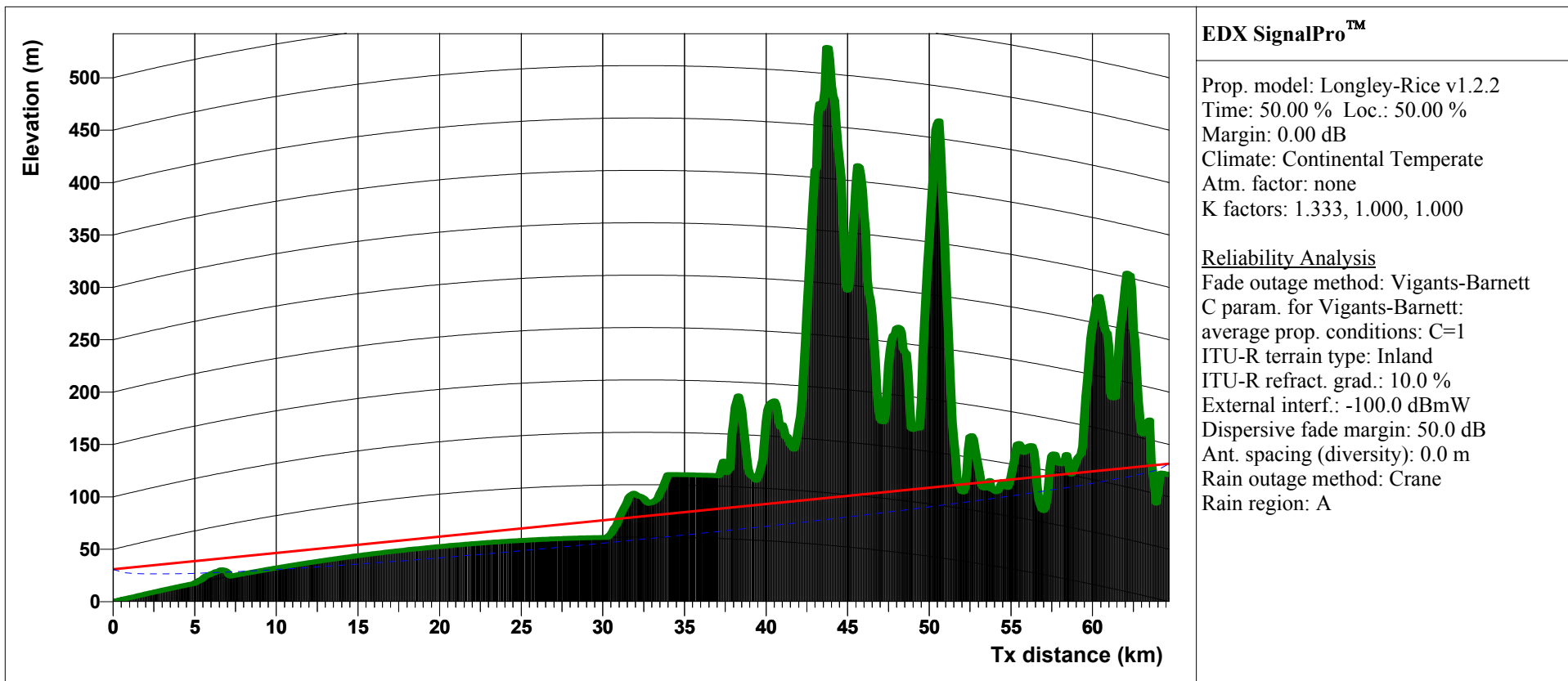
Name: CT010 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 63.09 km
 Number of obstacles: 0
 Excess path loss: 101.62 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 241.37 dB
 Flat fade margin: -99.90 dB
 Total fade margin: -99.90 dB
 Annual fade outage: 3942000.00 s
 Annual rain outage: 0.00 s
 Link availability: 50.0000 %

Receiver Site: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 128.8 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -265.88 dBW

Notes

San Francisco
 CT to Three Peaks

E950208 CT010 30 May 2005



EDX SignalPro™

Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

Transmitter Site: CT011
 Name: CT011
 Location:
 N37°46'04.48" W122°14'03.67"
 Site elevation: 0.0 m
 Antenna height: 31.0 m
 Pointing azimuth: 310.9 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

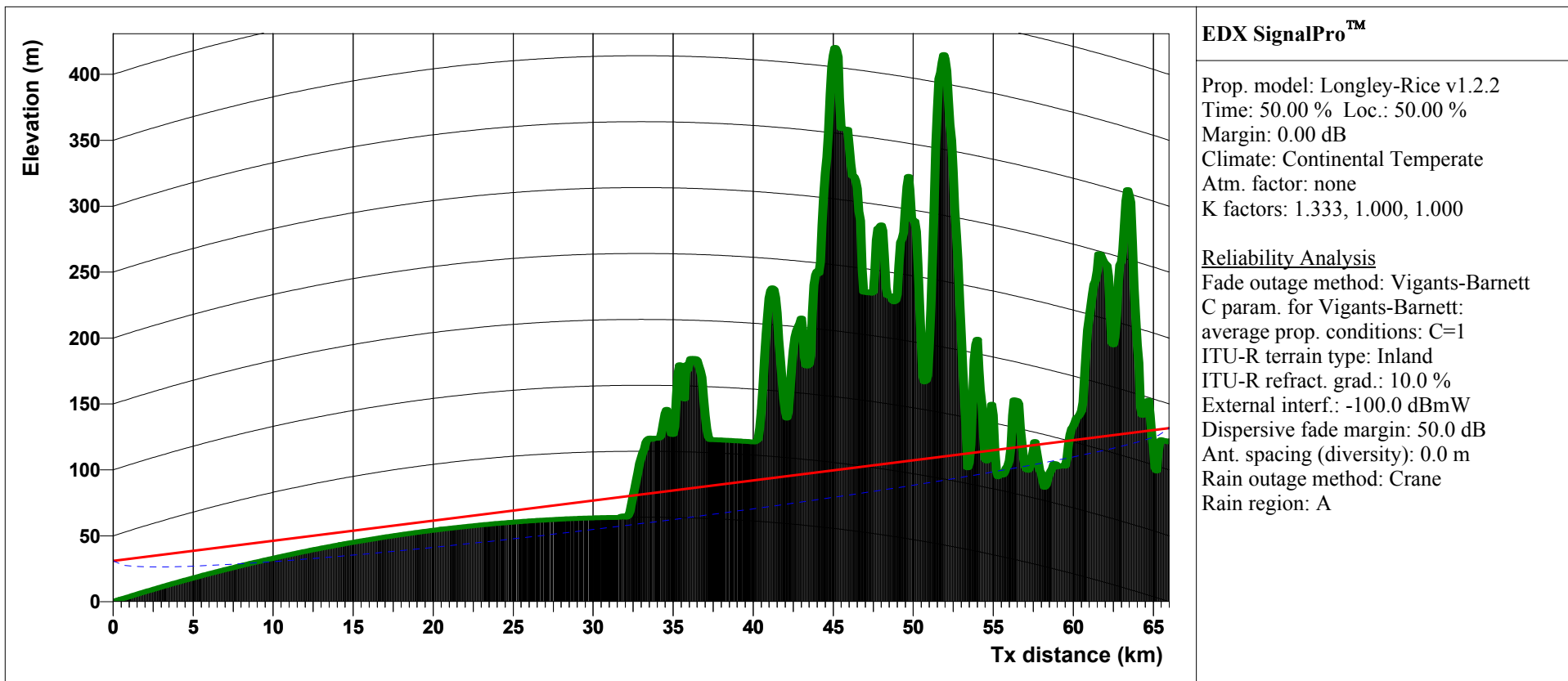
Name: CT011 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 64.70 km
 Number of obstacles: 0
 Excess path loss: 102.32 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 242.29 dB
 Flat fade margin: -99.90 dB
 Total fade margin: -99.90 dB
 Annual fade outage: 3942000.00 s
 Annual rain outage: 0.00 s
 Link availability: 50.0000 %

Receiver Site: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 130.9 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -265.34 dBW

Notes

San Francisco
 CT to Three Peaks

E950208 CT011 30 May 2005



EDX SignalPro™

Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

Transmitter Site: CT012
 Name: CT012
 Location:
 N37°44'36.59" W122°14'33.34"
 Site elevation: 0.0 m
 Antenna height: 31.0 m
 Pointing azimuth: 313.1 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

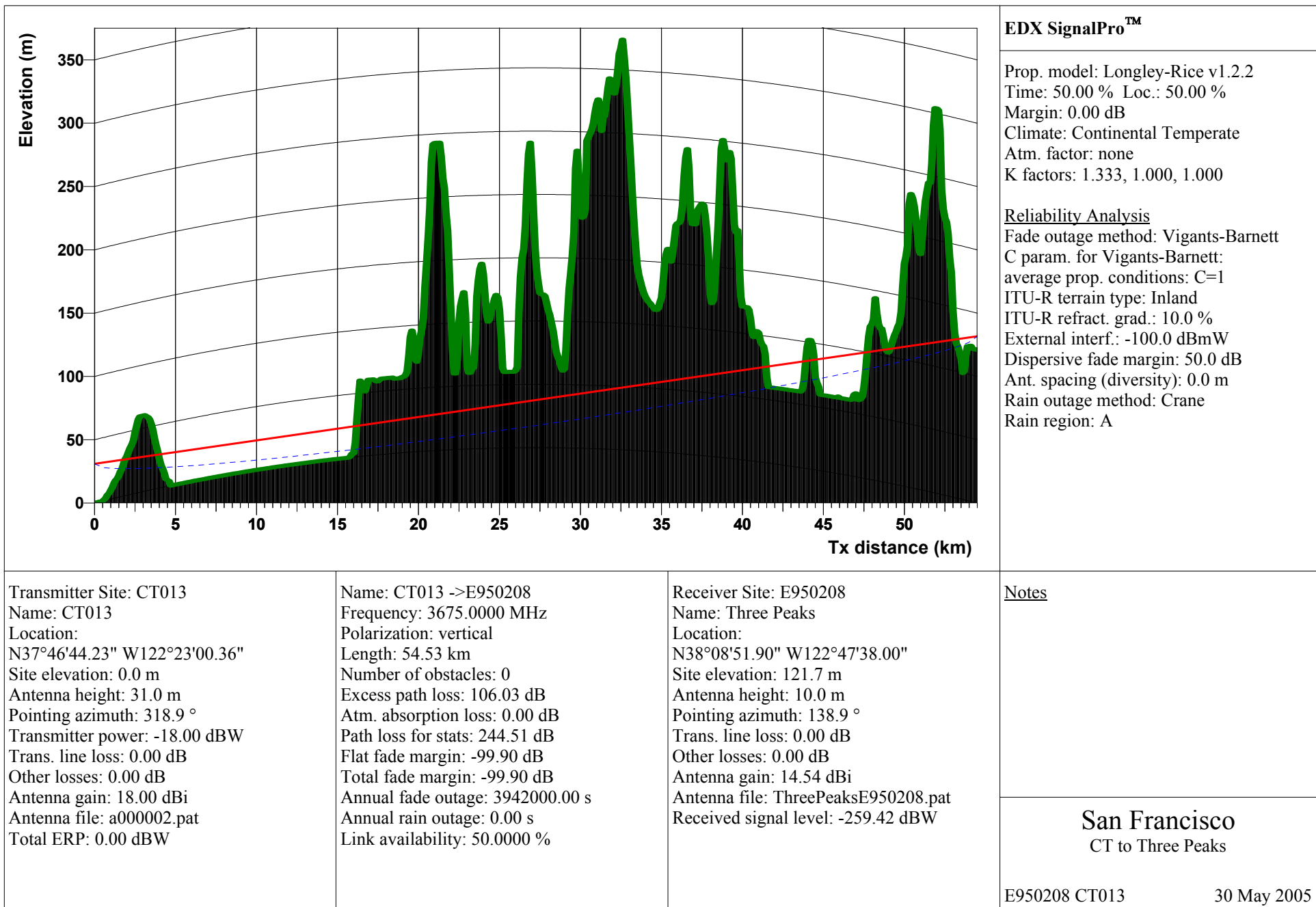
Name: CT012 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 65.97 km
 Number of obstacles: 0
 Excess path loss: 100.38 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 240.52 dB
 Flat fade margin: -99.90 dB
 Total fade margin: -99.90 dB
 Annual fade outage: 3942000.00 s
 Annual rain outage: 0.00 s
 Link availability: 50.0000 %

Receiver Site: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 133.1 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -262.18 dBW

Notes

San Francisco
 CT to Three Peaks

E950208 CT012 30 May 2005



EDX SignalPro™

Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

Transmitter Site: CT013
 Name: CT013
 Location:
 N37°46'44.23" W122°23'00.36"
 Site elevation: 0.0 m
 Antenna height: 31.0 m
 Pointing azimuth: 318.9 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

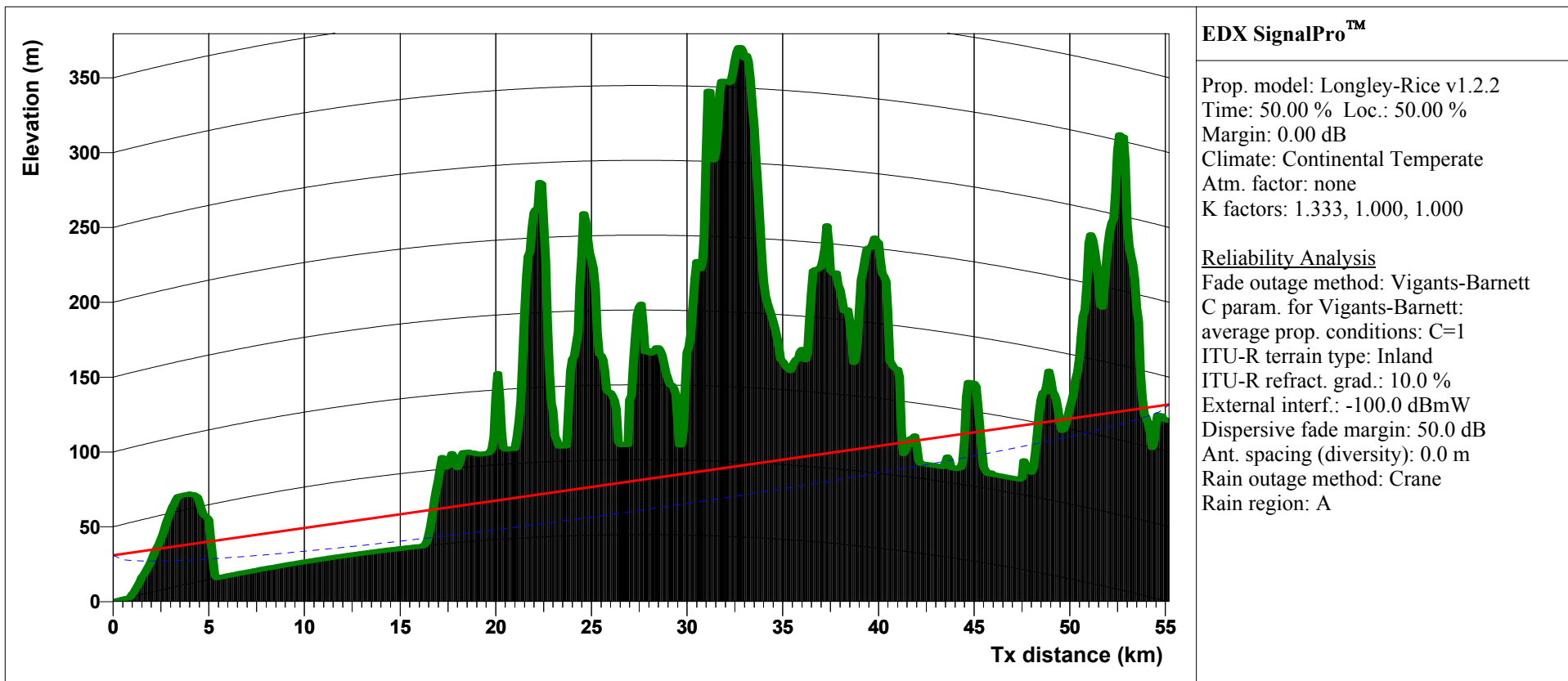
Name: CT013 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 54.53 km
 Number of obstacles: 0
 Excess path loss: 106.03 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 244.51 dB
 Flat fade margin: -99.90 dB
 Total fade margin: -99.90 dB
 Annual fade outage: 3942000.00 s
 Annual rain outage: 0.00 s
 Link availability: 50.0000 %

Receiver Site: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 138.9 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -259.42 dBW

Notes

San Francisco
 CT to Three Peaks

E950208 CT013 30 May 2005



EDX SignalPro™

Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

Transmitter Site: CT014
 Name: CT014
 Location:
 N37°46'17.95" W122°22'55.45"
 Site elevation: 0.0 m
 Antenna height: 31.0 m
 Pointing azimuth: 319.3 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

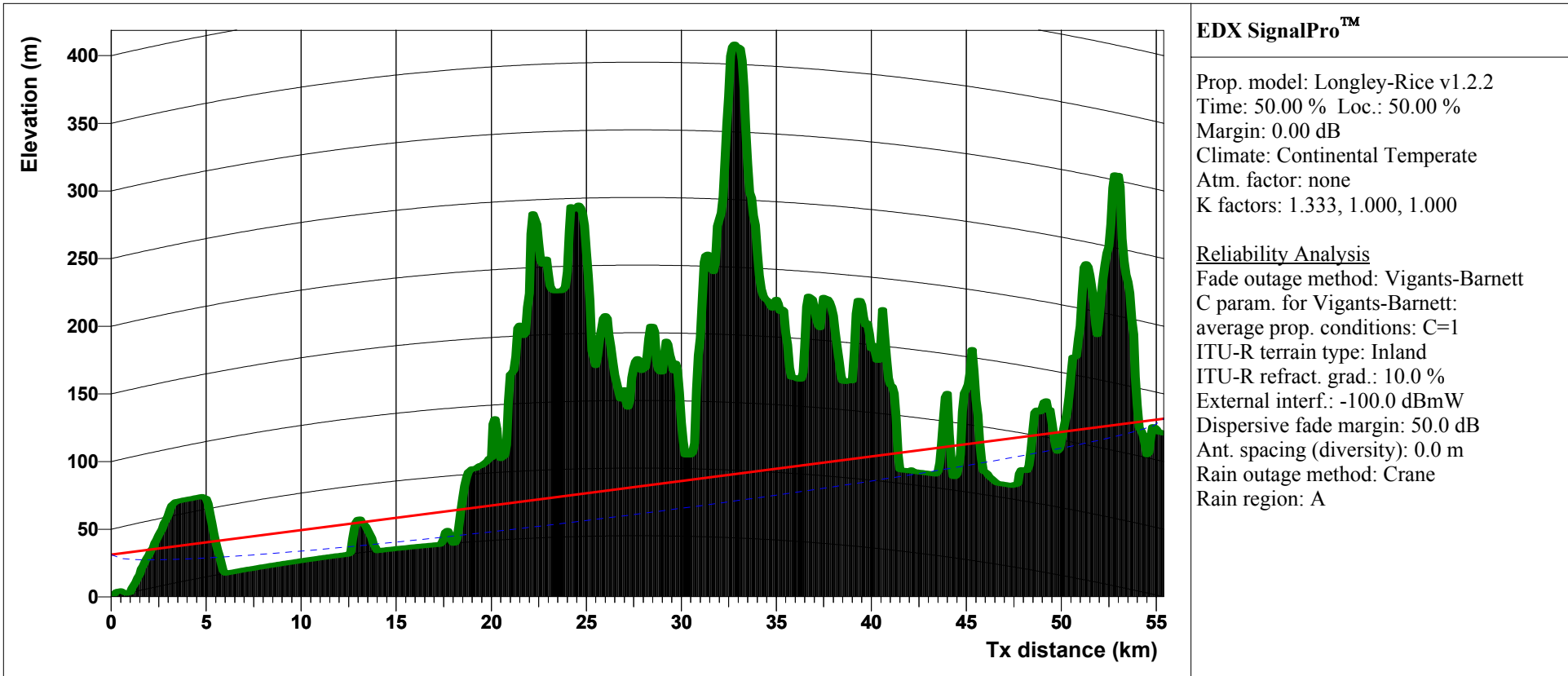
Name: CT014 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 55.22 km
 Number of obstacles: 0
 Excess path loss: 106.01 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 244.60 dB
 Flat fade margin: -99.90 dB
 Total fade margin: -99.90 dB
 Annual fade outage: 3942000.00 s
 Annual rain outage: 0.00 s
 Link availability: 50.0000 %

Receiver Site: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 139.3 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -252.07 dBW

Notes

San Francisco
 CT to Three Peaks

E950208 CT014 30 May 2005



EDX SignalPro™
 Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

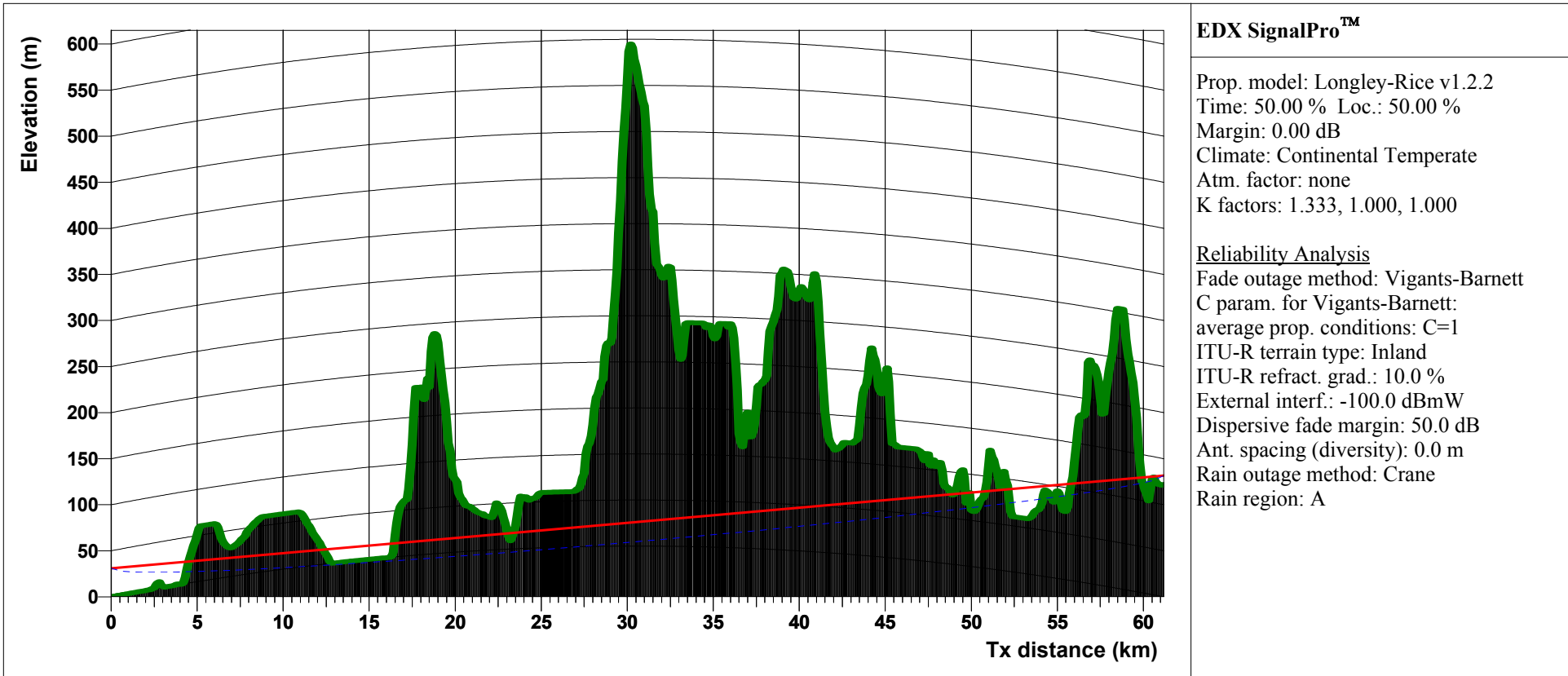
Transmitter Site: CT015
 Name: CT015
 Location:
 N37°45'59.15" W122°23'09.97"
 Site elevation: 0.3 m
 Antenna height: 31.0 m
 Pointing azimuth: 320.0 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

Name: CT015 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 55.43 km
 Number of obstacles: 0
 Excess path loss: 106.30 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 244.93 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: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 140.0 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -250.30 dBW

Notes

San Francisco
 CT to Three Peaks



EDX SignalPro™

Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

Transmitter Site: CT016
 Name: CT016
 Location:
 N37°43'01.62" W122°21'32.47"
 Site elevation: 0.0 m
 Antenna height: 31.0 m
 Pointing azimuth: 321.6 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

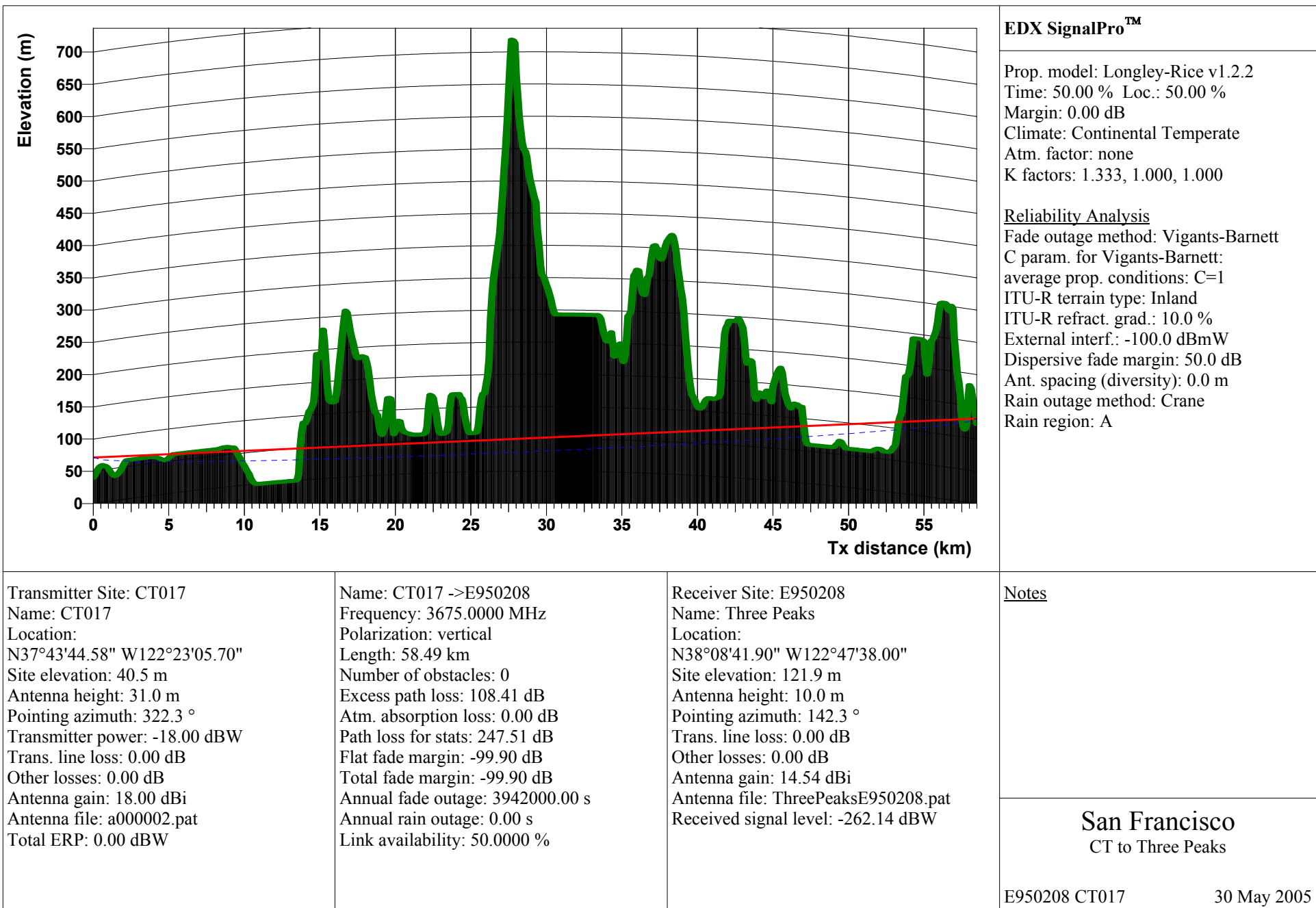
Name: CT016 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 61.18 km
 Number of obstacles: 0
 Excess path loss: 107.28 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 246.77 dB
 Flat fade margin: -99.90 dB
 Total fade margin: -99.90 dB
 Annual fade outage: 3942000.00 s
 Annual rain outage: 0.00 s
 Link availability: 50.0000 %

Receiver Site: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 141.6 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -254.07 dBW

Notes

San Francisco
 CT to Three Peaks

E950208 CT016 30 May 2005



EDX SignalPro™

Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

Transmitter Site: CT017
 Name: CT017
 Location:
 N37°43'44.58" W122°23'05.70"
 Site elevation: 40.5 m
 Antenna height: 31.0 m
 Pointing azimuth: 322.3 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

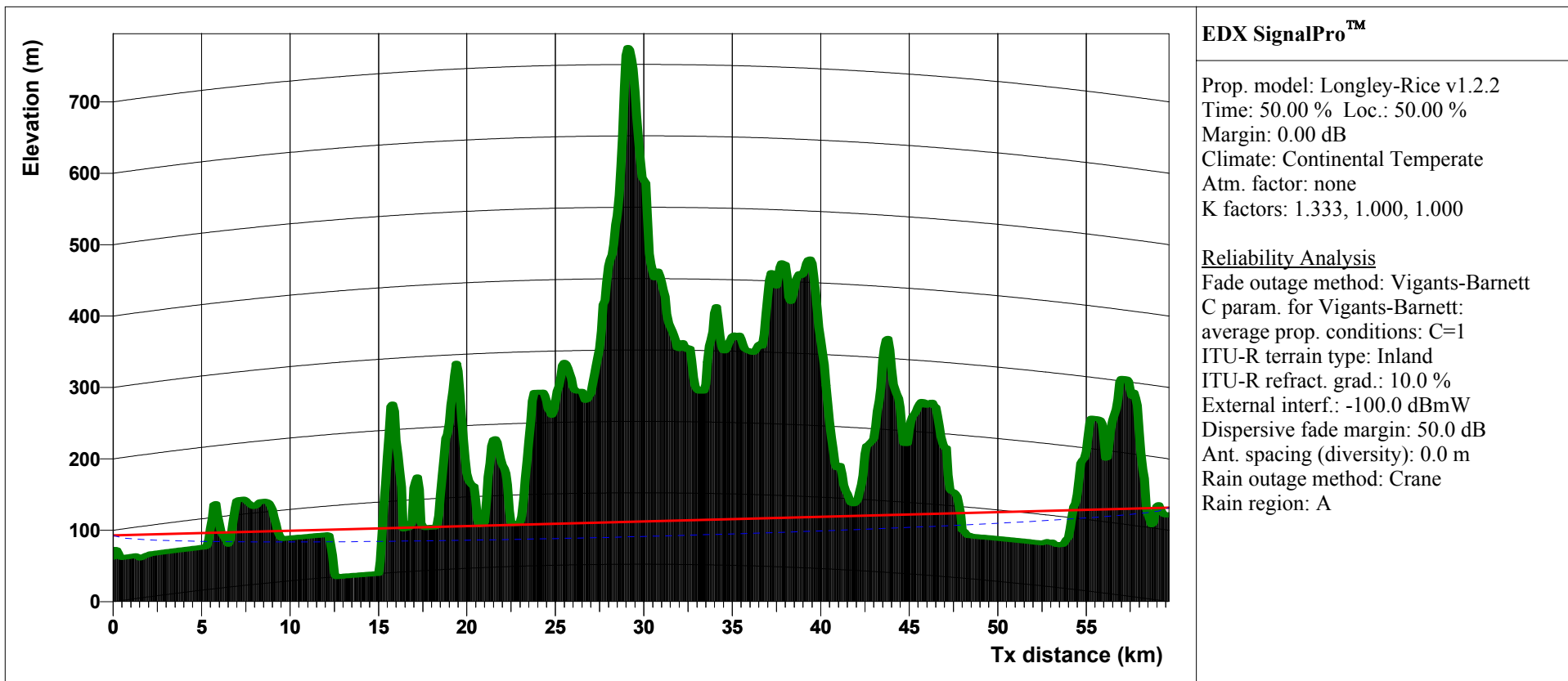
Name: CT017 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 58.49 km
 Number of obstacles: 0
 Excess path loss: 108.41 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 247.51 dB
 Flat fade margin: -99.90 dB
 Total fade margin: -99.90 dB
 Annual fade outage: 3942000.00 s
 Annual rain outage: 0.00 s
 Link availability: 50.0000 %

Receiver Site: E950208
 Name: Three Peaks
 Location:
 N38°08'41.90" W122°47'38.00"
 Site elevation: 121.9 m
 Antenna height: 10.0 m
 Pointing azimuth: 142.3 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -262.14 dBW

Notes

San Francisco
 CT to Three Peaks

E950208 CT017 30 May 2005



EDX SignalPro™

Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

Transmitter Site: CT018
 Name: CT018
 Location:
 N37°42'42.62" W122°23'46.45"
 Site elevation: 61.9 m
 Antenna height: 31.0 m
 Pointing azimuth: 324.4 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

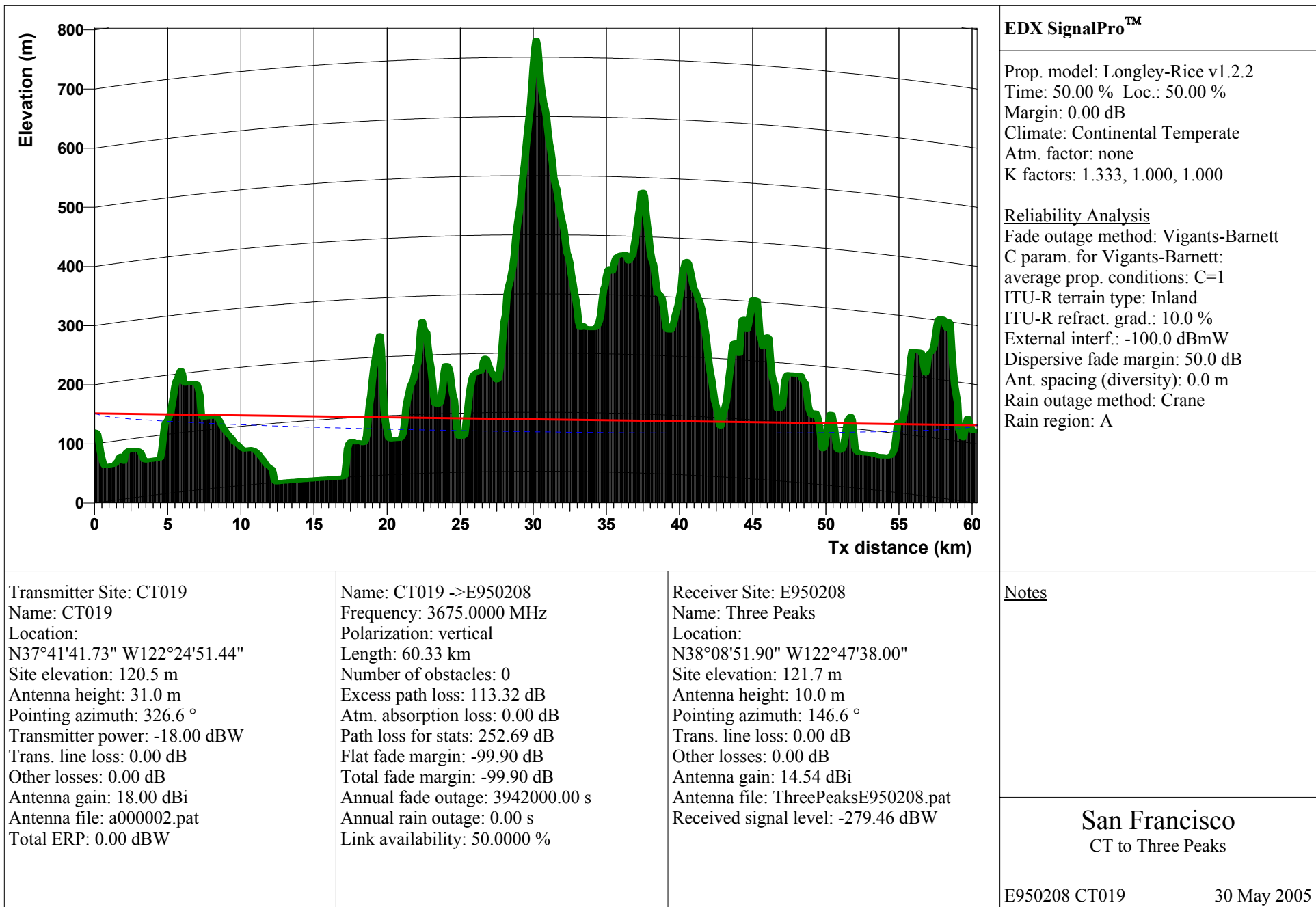
Name: CT018 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 59.68 km
 Number of obstacles: 0
 Excess path loss: 112.14 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 251.42 dB
 Flat fade margin: -99.90 dB
 Total fade margin: -99.90 dB
 Annual fade outage: 3942000.00 s
 Annual rain outage: 0.00 s
 Link availability: 50.0000 %

Receiver Site: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 144.4 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -277.79 dBW

Notes

San Francisco
 CT to Three Peaks

E950208 CT018 30 May 2005



EDX SignalPro™

Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

Transmitter Site: CT019
 Name: CT019
 Location:
 N37°41'41.73" W122°24'51.44"
 Site elevation: 120.5 m
 Antenna height: 31.0 m
 Pointing azimuth: 326.6 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

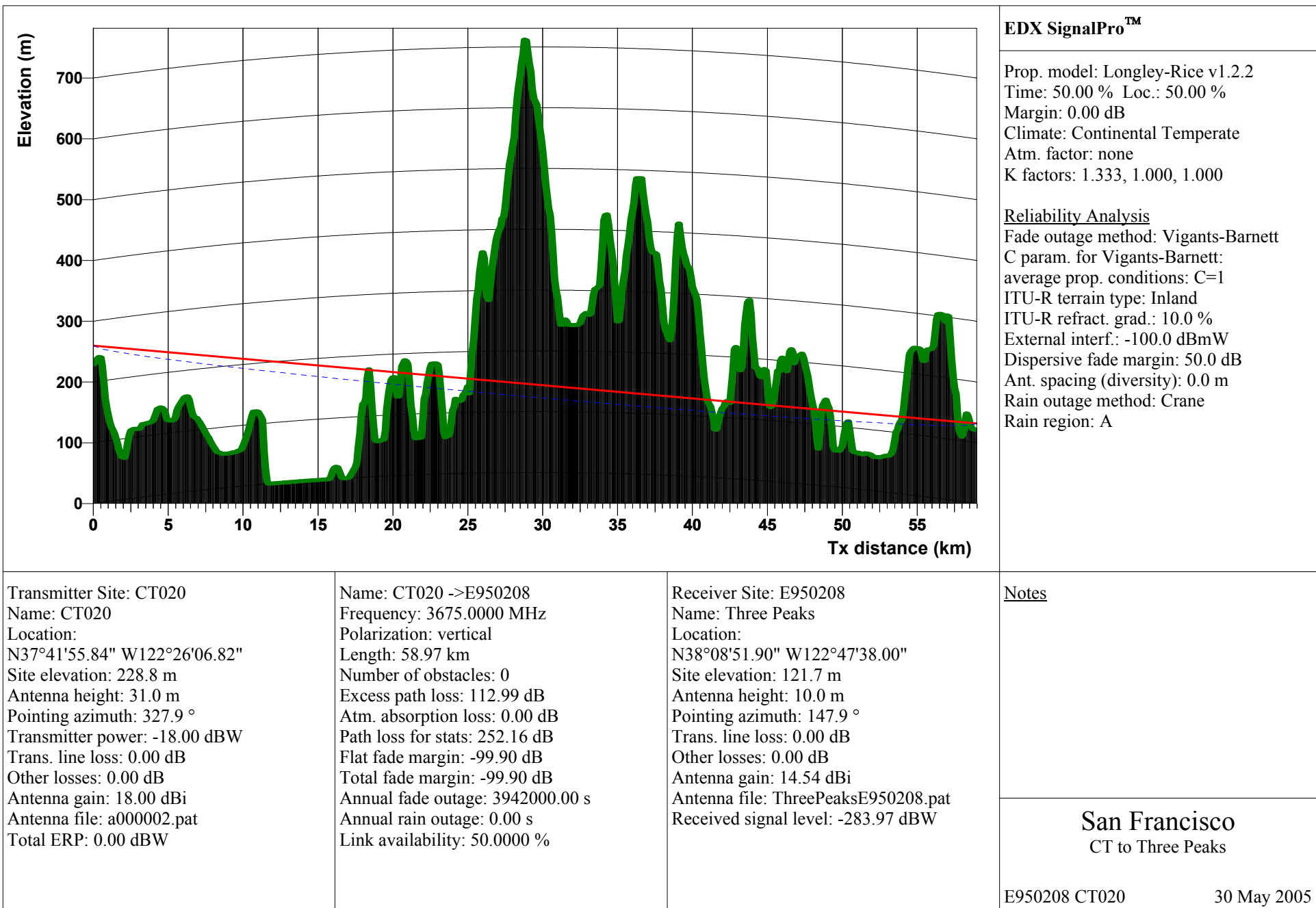
Name: CT019 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 60.33 km
 Number of obstacles: 0
 Excess path loss: 113.32 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 252.69 dB
 Flat fade margin: -99.90 dB
 Total fade margin: -99.90 dB
 Annual fade outage: 3942000.00 s
 Annual rain outage: 0.00 s
 Link availability: 50.0000 %

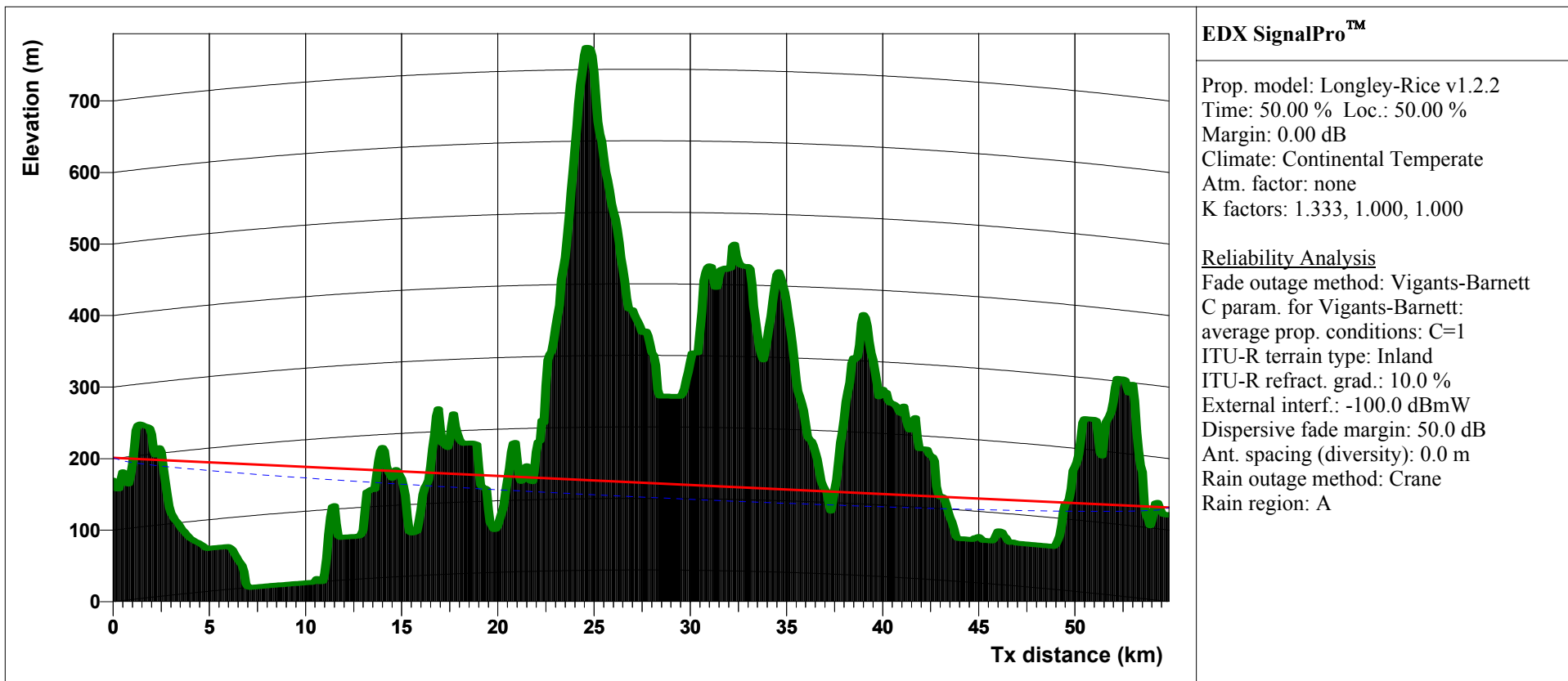
Receiver Site: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 146.6 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -279.46 dBW

Notes

San Francisco
 CT to Three Peaks

E950208 CT019 30 May 2005





EDX SignalPro™

Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

Transmitter Site: CT021
 Name: CT021
 Location:
 N37°44'29.21" W122°26'16.70"
 Site elevation: 170.2 m
 Antenna height: 31.0 m
 Pointing azimuth: 325.5 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

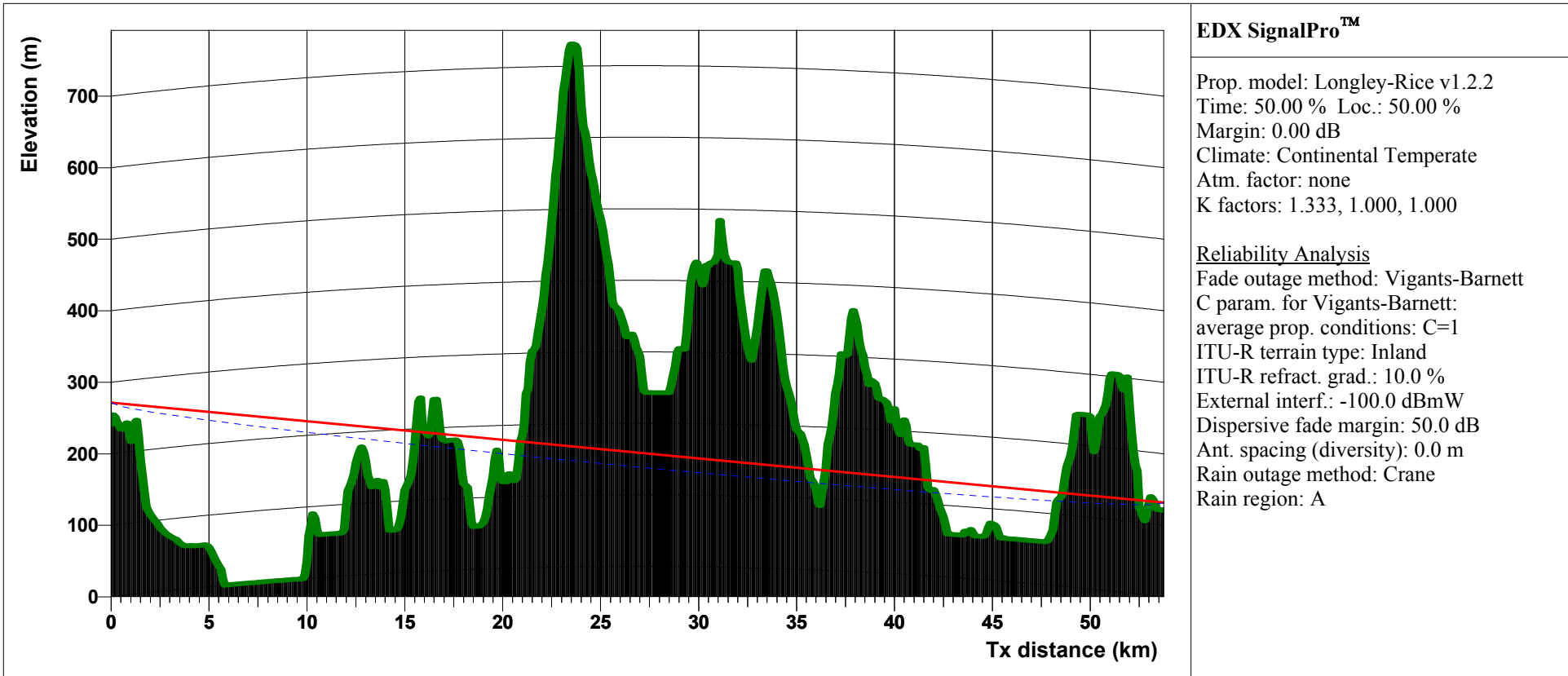
Name: CT021 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 54.88 km
 Number of obstacles: 0
 Excess path loss: 113.06 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 251.61 dB
 Flat fade margin: -99.90 dB
 Total fade margin: -99.90 dB
 Annual fade outage: 3942000.00 s
 Annual rain outage: 0.00 s
 Link availability: 50.0000 %

Receiver Site: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 145.5 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -288.08 dBW

Notes

San Francisco
 CT to Three Peaks

E950208 CT021 30 May 2005



EDX SignalPro™

Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

Transmitter Site: CT022
 Name: CT022
 Location:
 N37°44'57.80" W122°26'45.89"
 Site elevation: 240.5 m
 Antenna height: 31.0 m
 Pointing azimuth: 325.6 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

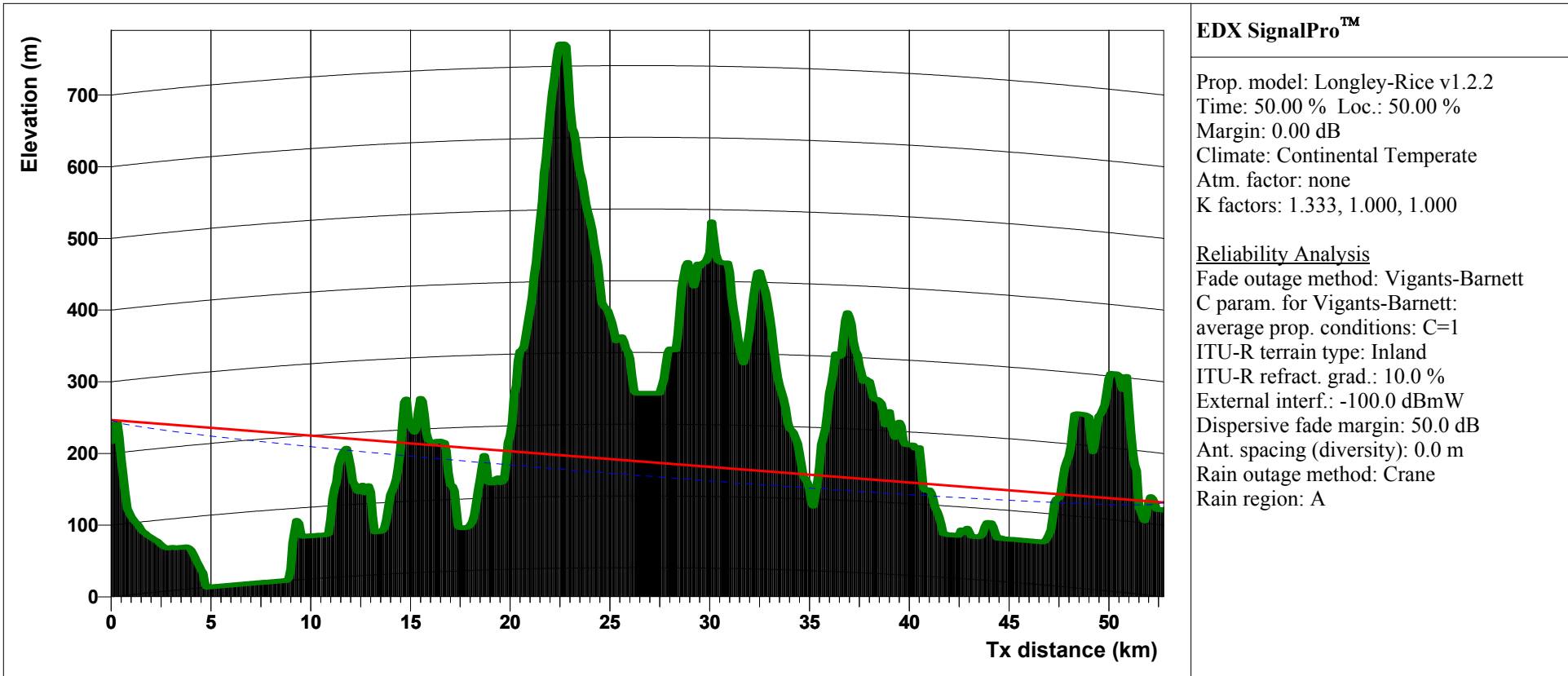
Name: CT022 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 53.75 km
 Number of obstacles: 0
 Excess path loss: 113.14 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 251.50 dB
 Flat fade margin: -99.90 dB
 Total fade margin: -99.90 dB
 Annual fade outage: 3942000.00 s
 Annual rain outage: 0.00 s
 Link availability: 50.0000 %

Receiver Site: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 145.6 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -288.24 dBW

Notes

San Francisco
 CT to Three Peaks

E950208 CT022 30 May 2005



EDX SignalPro™

Prop. model: Longley-Rice v1.2.2
 Time: 50.00 % Loc.: 50.00 %
 Margin: 0.00 dB
 Climate: Continental Temperate
 Atm. factor: none
 K factors: 1.333, 1.000, 1.000

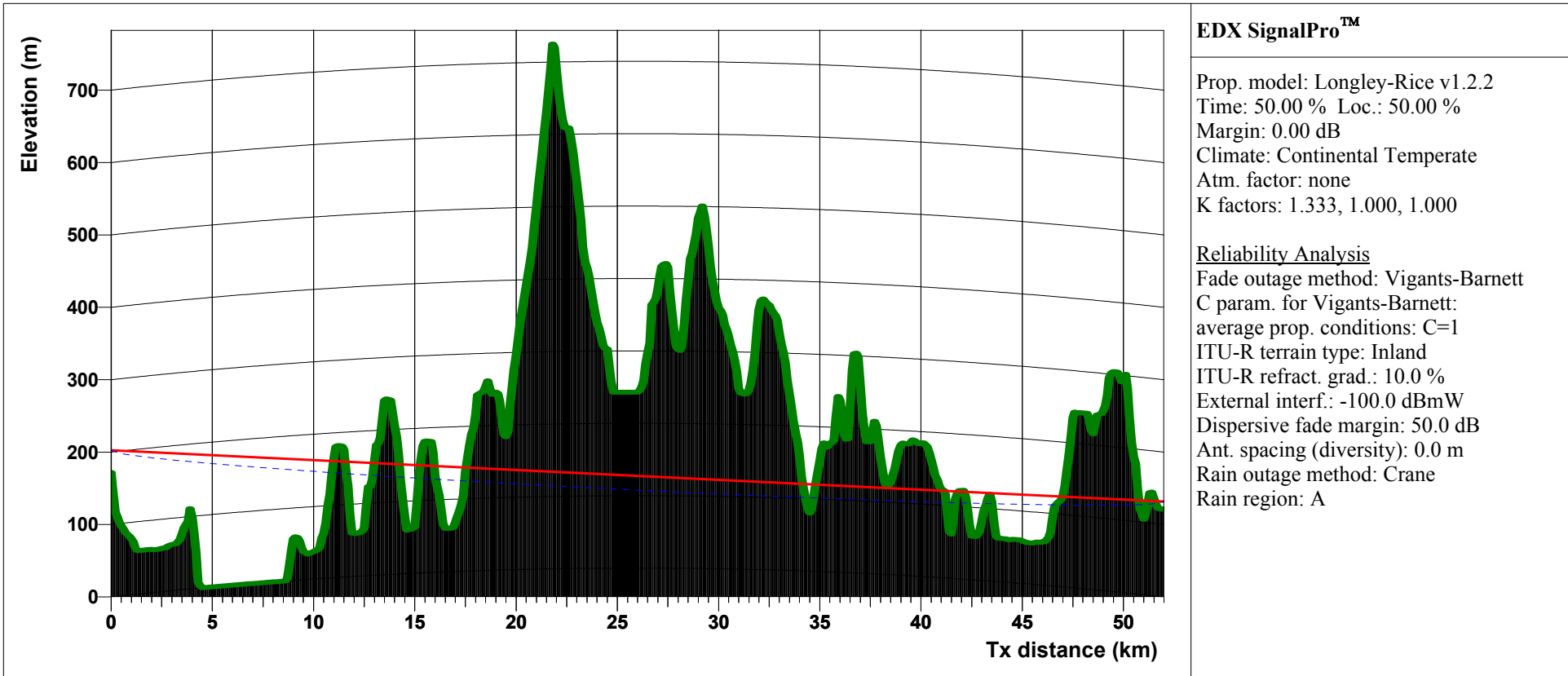
Reliability Analysis
 Fade outage method: Vigants-Barnett
 C param. for Vigants-Barnett:
 average prop. conditions: C=1
 ITU-R terrain type: Inland
 ITU-R refract. grad.: 10.0 %
 External interf.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

Transmitter Site: CT023
 Name: CT023
 Location:
 N37°45'23.96" W122°27'10.12"
 Site elevation: 215.9 m
 Antenna height: 31.0 m
 Pointing azimuth: 325.6 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

Name: CT023 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 52.75 km
 Number of obstacles: 0
 Excess path loss: 113.39 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 251.60 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: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 145.6 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -291.32 dBW

Notes



EDX SignalPro™

Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

Transmitter Site: CT024
 Name: CT024
 Location:
 N37°45'17.55" W122°28'18.03"
 Site elevation: 171.5 m
 Antenna height: 31.0 m
 Pointing azimuth: 327.2 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

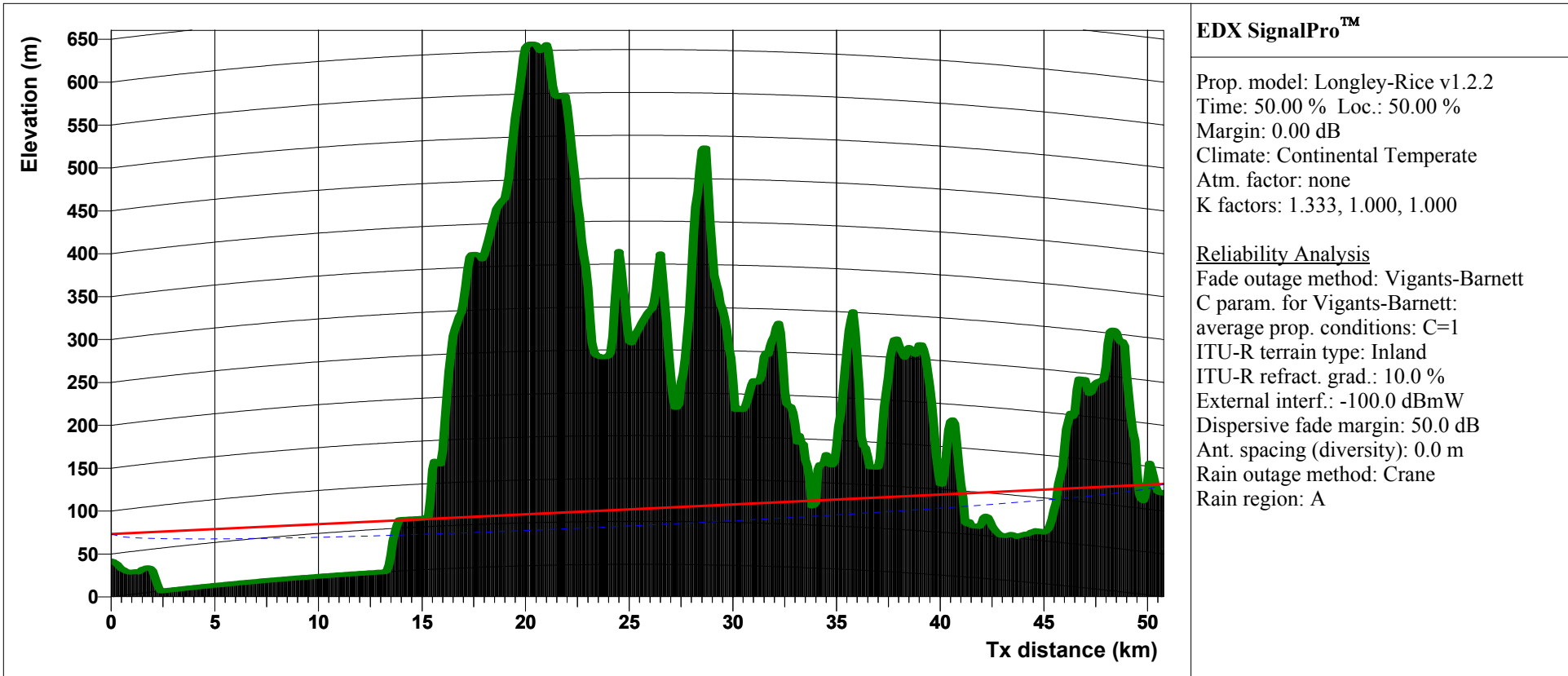
Name: CT024 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 52.00 km
 Number of obstacles: 0
 Excess path loss: 113.49 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 251.57 dB
 Flat fade margin: -99.90 dB
 Total fade margin: -99.90 dB
 Annual fade outage: 3942000.00 s
 Annual rain outage: 0.00 s
 Link availability: 50.0000 %

Receiver Site: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 147.2 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -291.59 dBW

Notes

San Francisco
 CT to Three Peaks

E950208 CT024 30 May 2005



EDX SignalPro™

Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

Transmitter Site: CT025
 Name: CT025
 Location:
 N37°45'15.75" W122°29'55.63"
 Site elevation: 42.4 m
 Antenna height: 31.0 m
 Pointing azimuth: 329.5 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

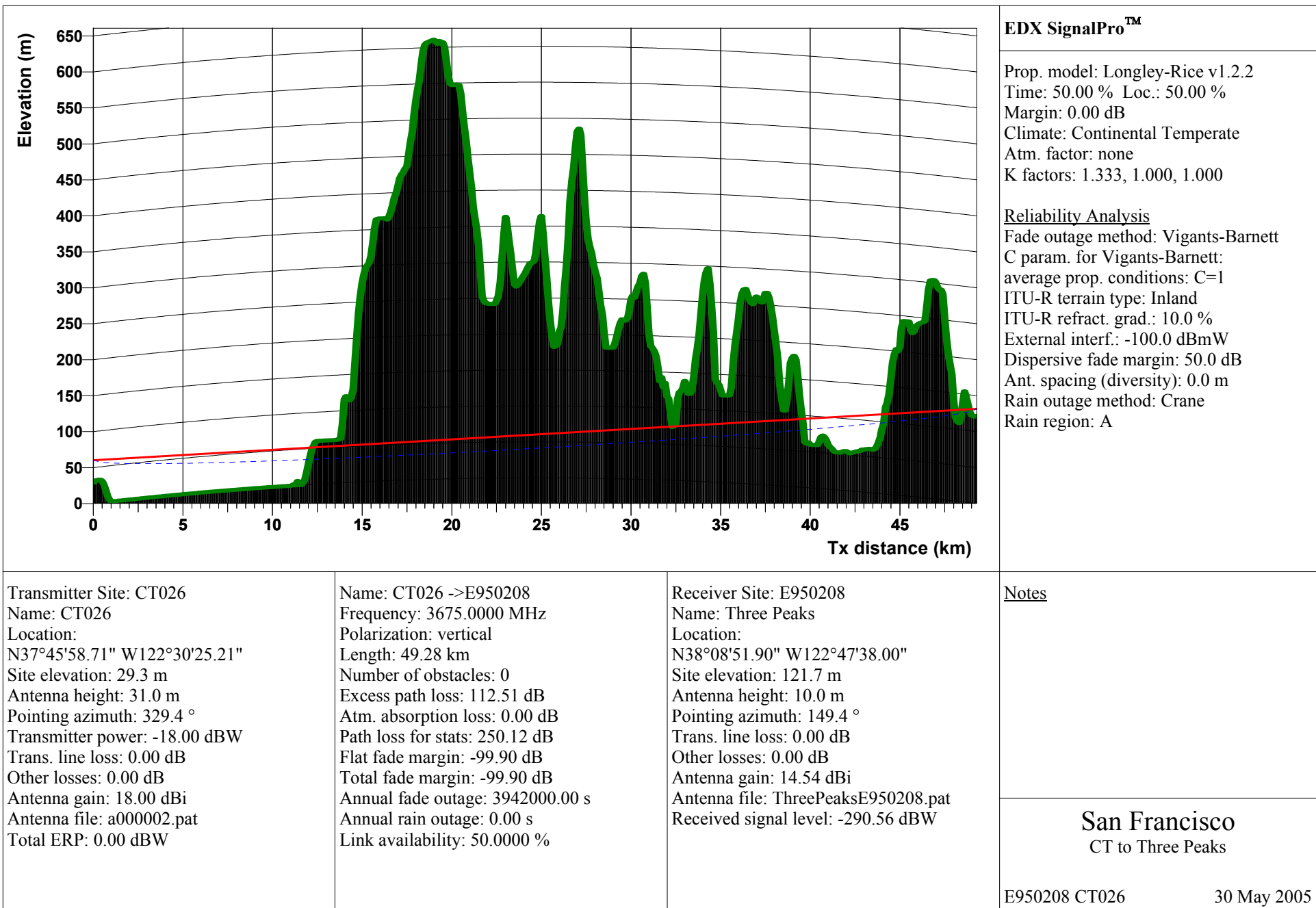
Name: CT025 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 50.79 km
 Number of obstacles: 0
 Excess path loss: 112.33 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 250.20 dB
 Flat fade margin: -99.90 dB
 Total fade margin: -99.90 dB
 Annual fade outage: 3942000.00 s
 Annual rain outage: 0.00 s
 Link availability: 50.0000 %

Receiver Site: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 149.5 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -290.65 dBW

Notes

San Francisco
 CT to Three Peaks

E950208 CT025 30 May 2005



EDX SignalPro™

Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

Transmitter Site: CT026
 Name: CT026
 Location:
 N37°45'58.71" W122°30'25.21"
 Site elevation: 29.3 m
 Antenna height: 31.0 m
 Pointing azimuth: 329.4 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

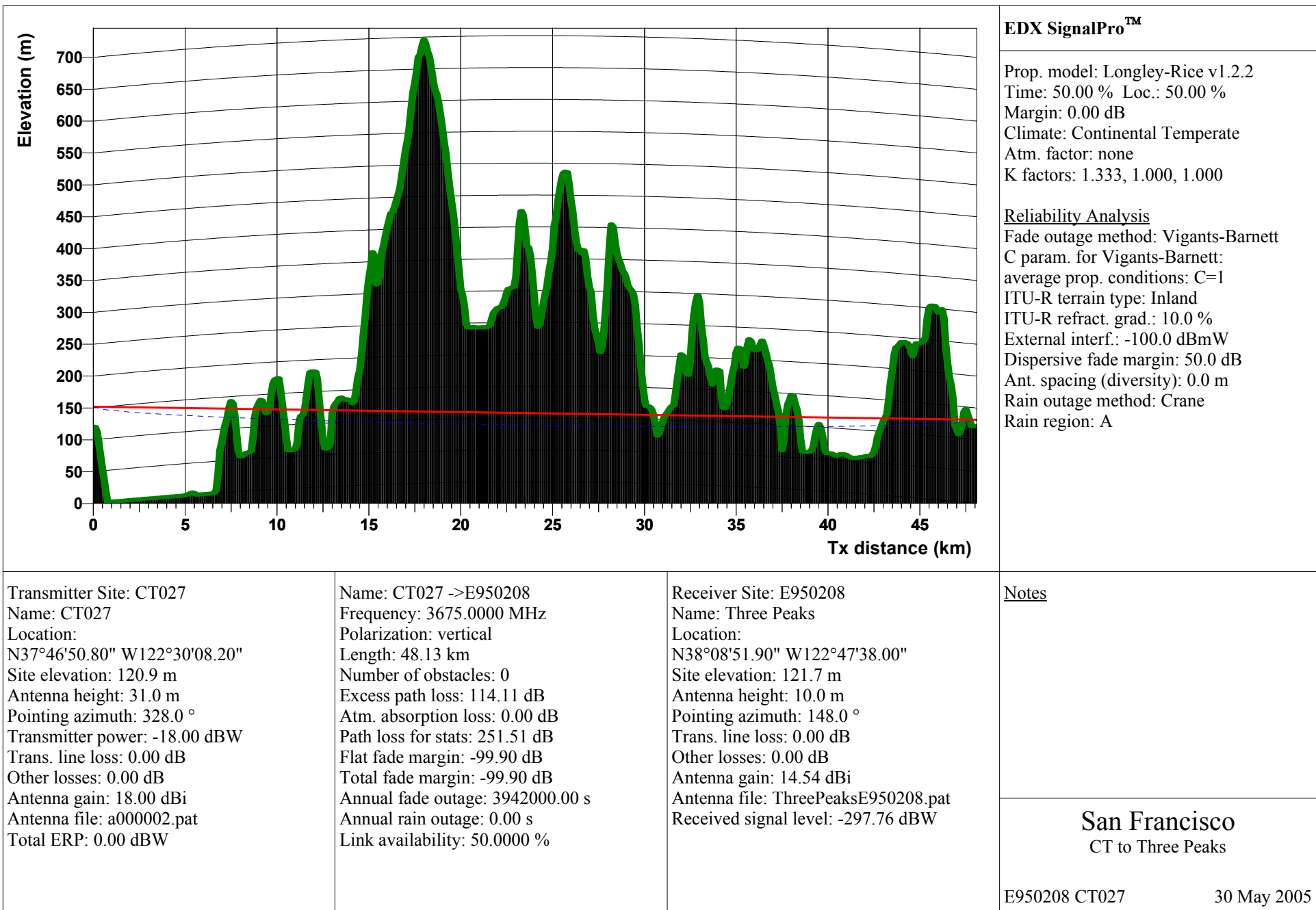
Name: CT026 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 49.28 km
 Number of obstacles: 0
 Excess path loss: 112.51 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 250.12 dB
 Flat fade margin: -99.90 dB
 Total fade margin: -99.90 dB
 Annual fade outage: 3942000.00 s
 Annual rain outage: 0.00 s
 Link availability: 50.0000 %

Receiver Site: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 149.4 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -290.56 dBW

Notes

San Francisco
 CT to Three Peaks

E950208 CT026 30 May 2005



EDX SignalPro™
 Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

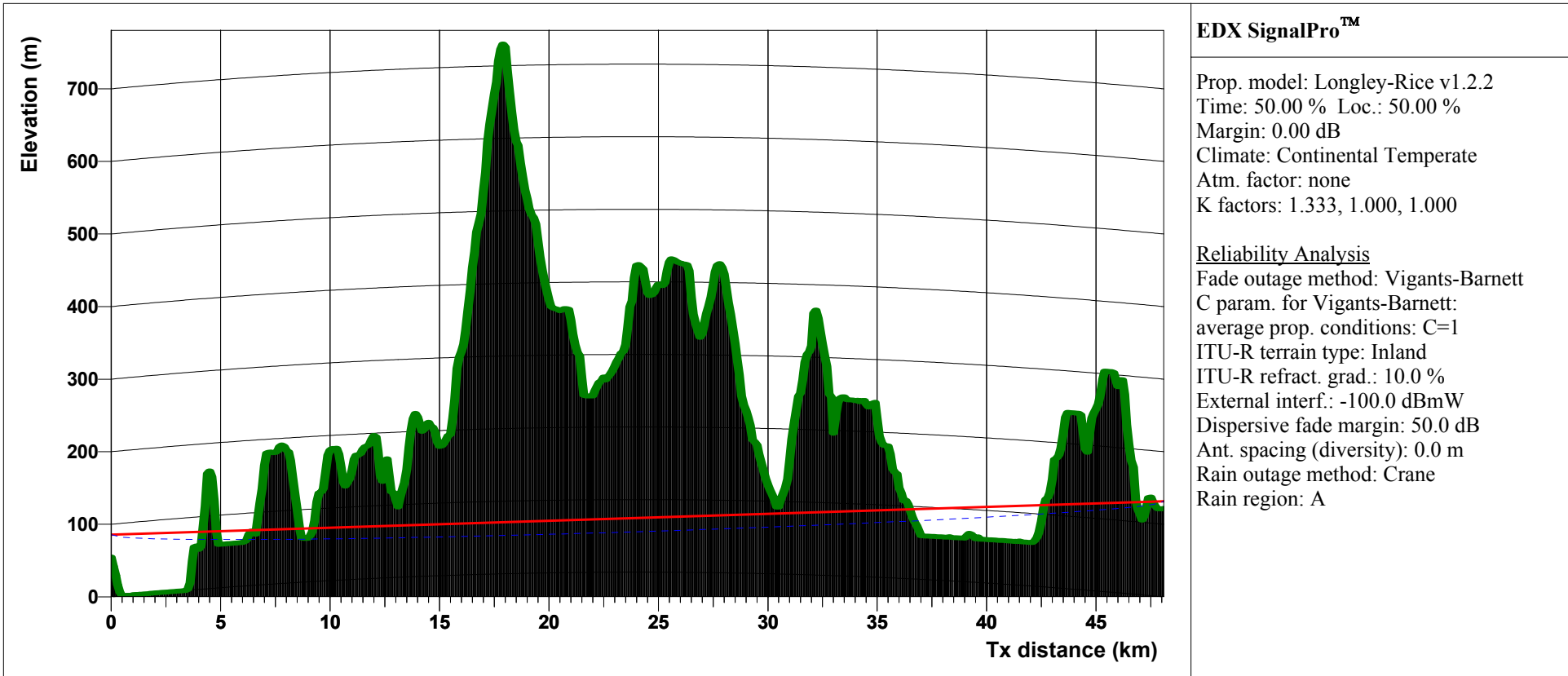
Transmitter Site: CT027
 Name: CT027
 Location:
 N37°46'50.80" W122°30'08.20"
 Site elevation: 120.9 m
 Antenna height: 31.0 m
 Pointing azimuth: 328.0 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

Name: CT027 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 48.13 km
 Number of obstacles: 0
 Excess path loss: 114.11 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 251.51 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: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 148.0 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -297.76 dBW

Notes

San Francisco
 CT to Three Peaks



Transmitter Site: CT028
 Name: CT028
 Location:
 N37°47'35.12" W122°28'46.26"
 Site elevation: 54.7 m
 Antenna height: 31.0 m
 Pointing azimuth: 325.2 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

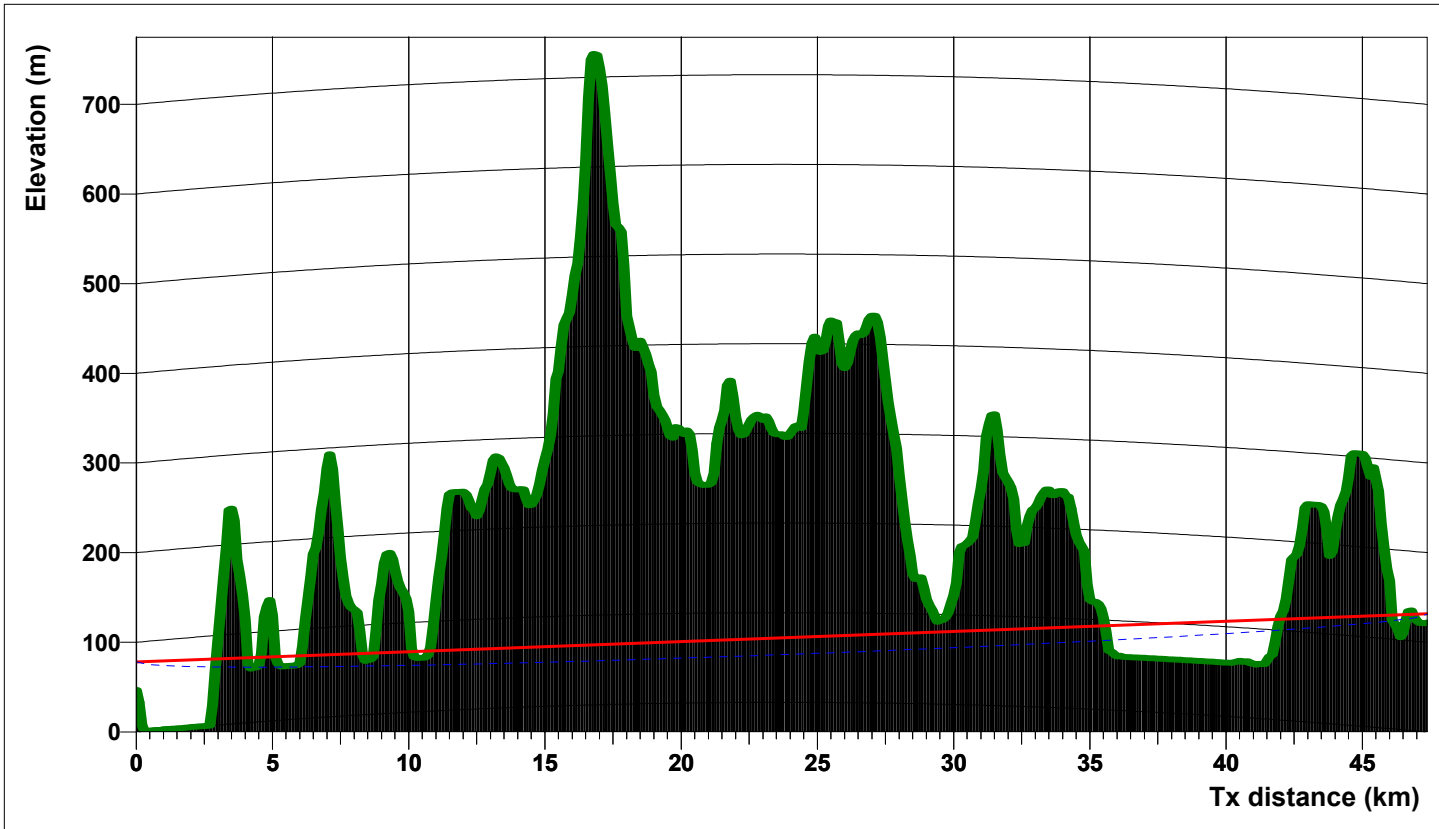
Name: CT028 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 48.08 km
 Number of obstacles: 0
 Excess path loss: 114.14 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 251.53 dB
 Flat fade margin: -99.90 dB
 Total fade margin: -99.90 dB
 Annual fade outage: 3942000.00 s
 Annual rain outage: 0.00 s
 Link availability: 50.0000 %

Receiver Site: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 145.2 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -297.28 dBW

Notes

San Francisco
 CT to Three Peaks

E950208 CT028 30 May 2005



EDX SignalPro™

Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

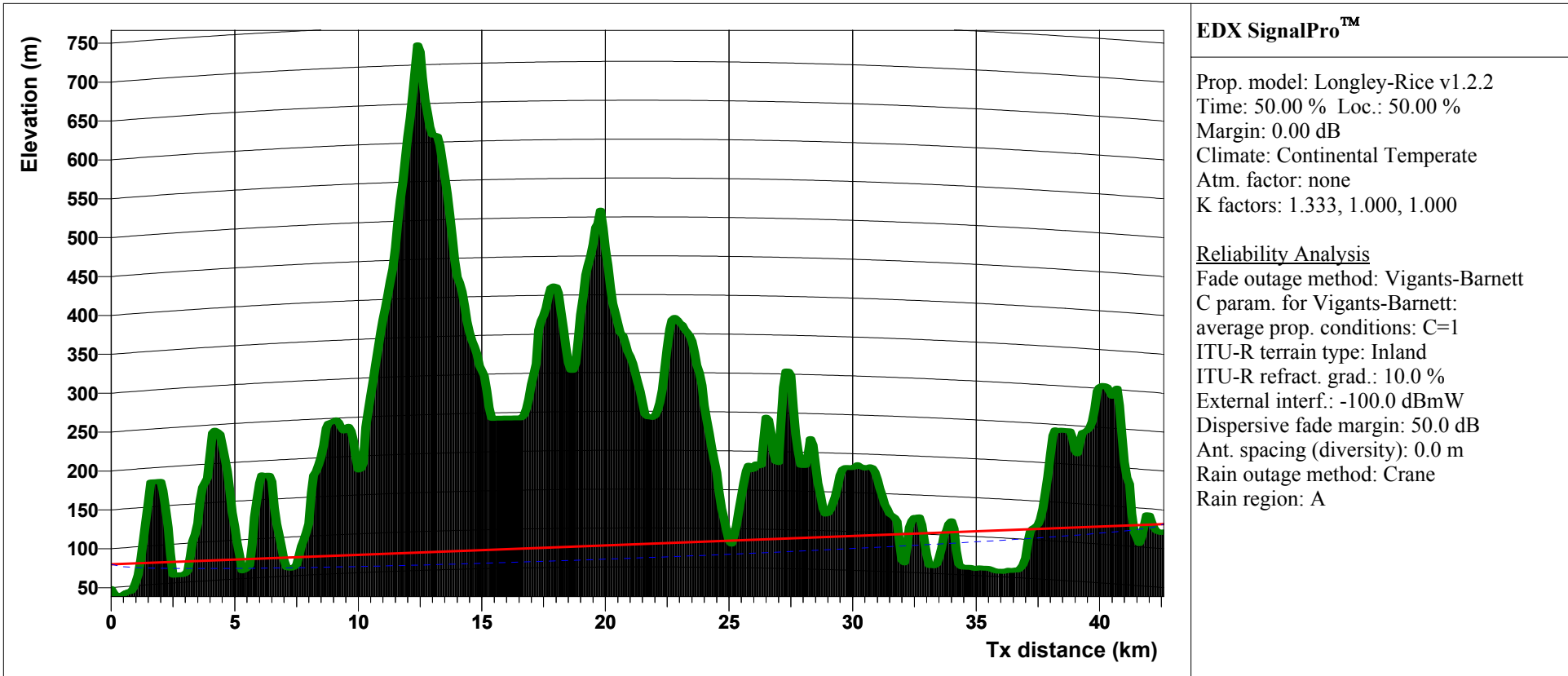
Transmitter Site: CT029
 Name: CT029
 Location:
 N37°48'07.02" W122°28'39.46"
 Site elevation: 47.3 m
 Antenna height: 31.0 m
 Pointing azimuth: 324.3 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

Name: CT029 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 47.38 km
 Number of obstacles: 0
 Excess path loss: 113.67 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 250.94 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: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 144.3 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -298.23 dBW

Notes

San Francisco
 CT to Three Peaks



Transmitter Site: CT030
 Name: CT030
 Location:
 N37°49'34.56" W122°31'44.94"
 Site elevation: 49.1 m
 Antenna height: 31.0 m
 Pointing azimuth: 327.1 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

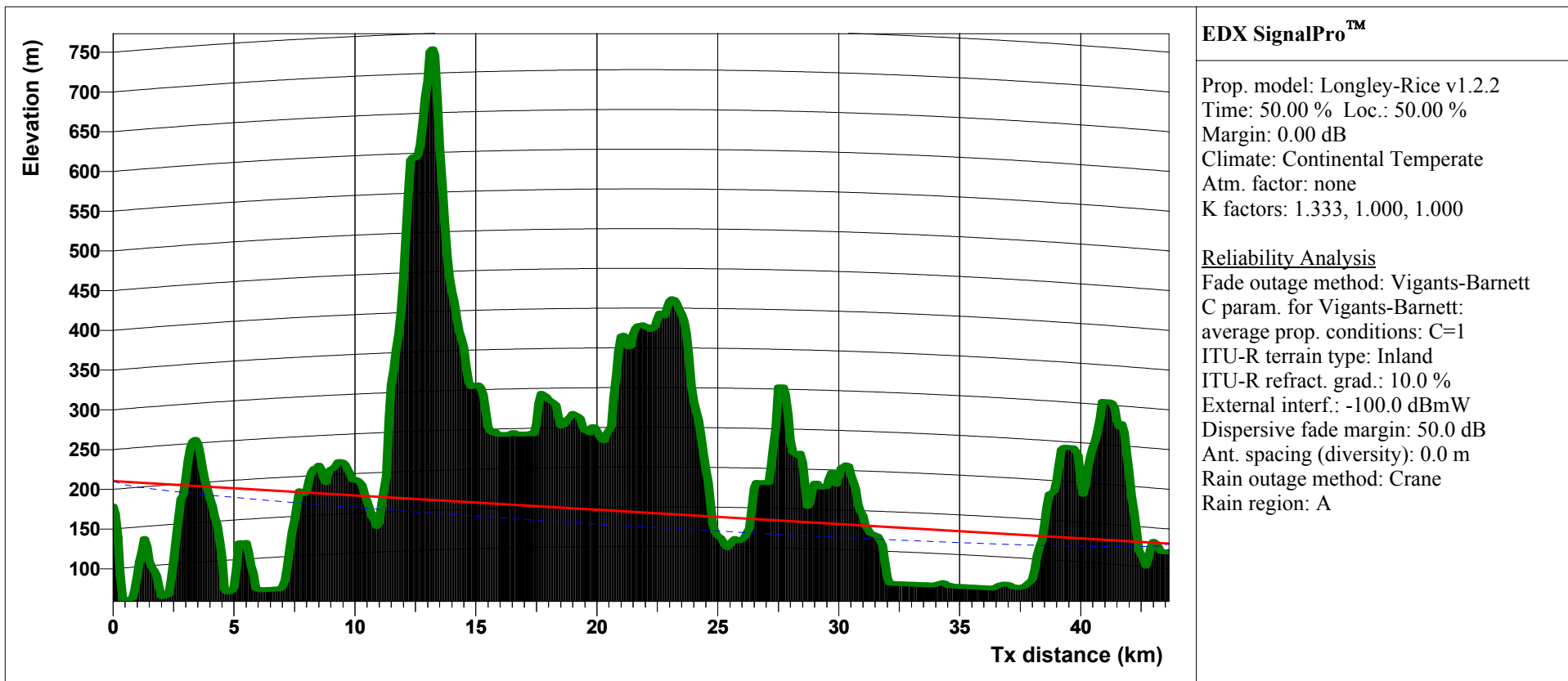
Name: CT030 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 42.59 km
 Number of obstacles: 0
 Excess path loss: 113.39 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 249.73 dB
 Flat fade margin: -99.90 dB
 Total fade margin: -99.90 dB
 Annual fade outage: 3942000.00 s
 Annual rain outage: 0.00 s
 Link availability: 50.0000 %

Receiver Site: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 147.1 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -297.52 dBW

Notes

San Francisco
 CT to Three Peaks

E950208 CT030 30 May 2005



Transmitter Site: CT031
 Name: CT031
 Location:
 N37°49'53.70" W122°29'53.92"
 Site elevation: 179.3 m
 Antenna height: 31.0 m
 Pointing azimuth: 323.7 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

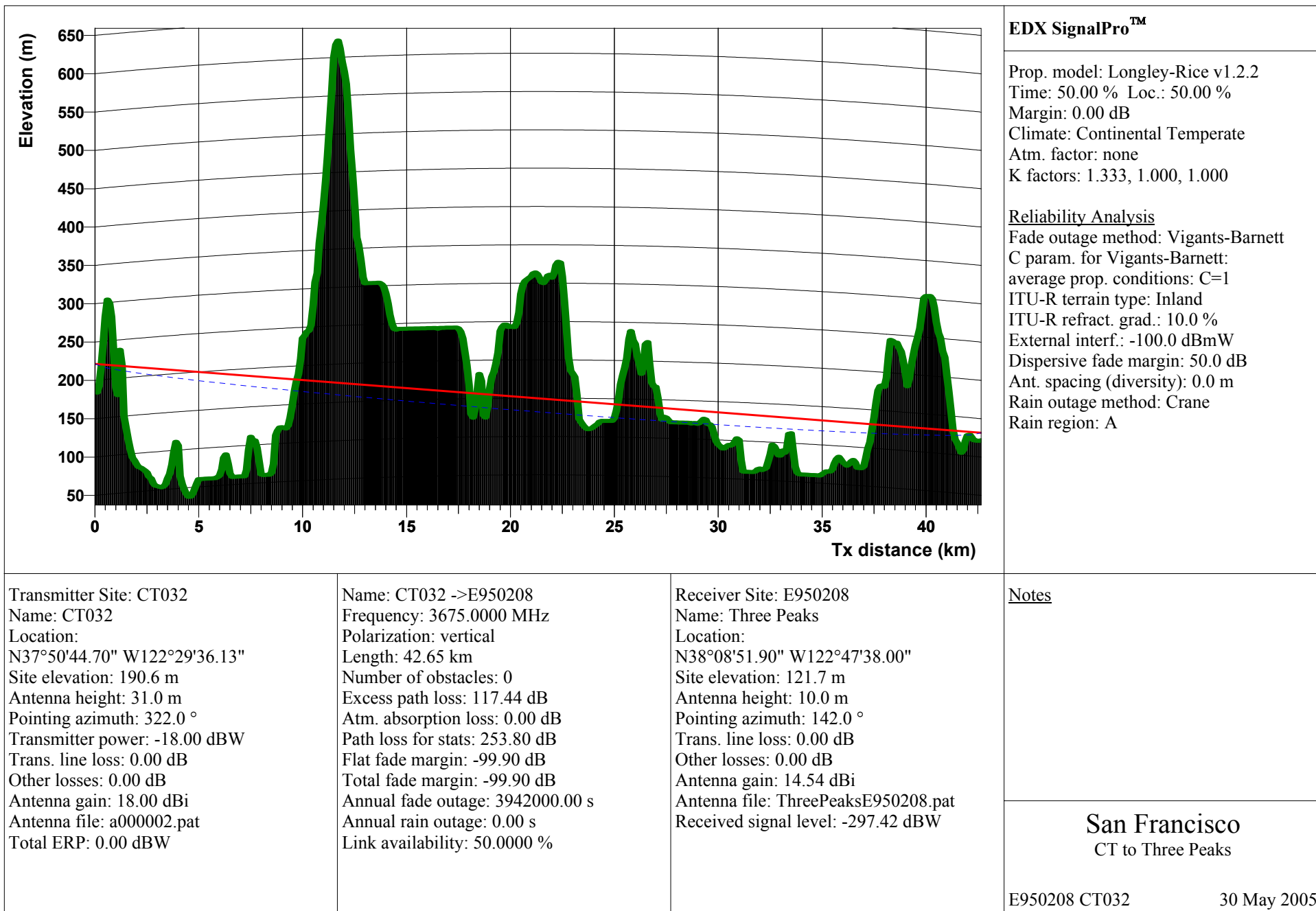
Name: CT031 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 43.64 km
 Number of obstacles: 0
 Excess path loss: 110.74 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 247.30 dB
 Flat fade margin: -99.90 dB
 Total fade margin: -99.90 dB
 Annual fade outage: 3942000.00 s
 Annual rain outage: 0.00 s
 Link availability: 50.0000 %

Receiver Site: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 143.7 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -294.39 dBW

Notes

San Francisco
 CT to Three Peaks

E950208 CT031 30 May 2005



EDX SignalPro™

Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

Transmitter Site: CT032
 Name: CT032
 Location:
 N37°50'44.70" W122°29'36.13"
 Site elevation: 190.6 m
 Antenna height: 31.0 m
 Pointing azimuth: 322.0 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

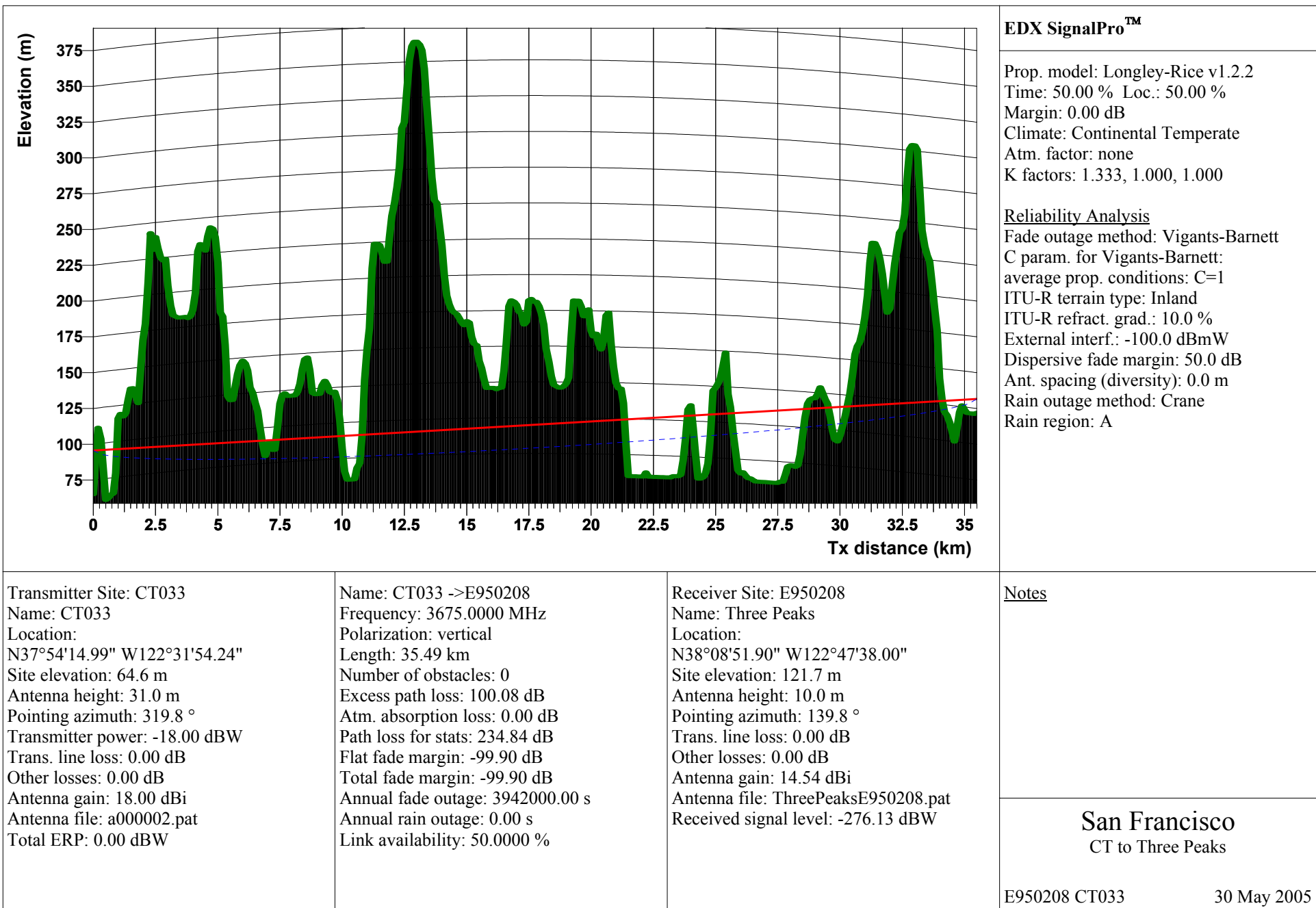
Name: CT032 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 42.65 km
 Number of obstacles: 0
 Excess path loss: 117.44 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 253.80 dB
 Flat fade margin: -99.90 dB
 Total fade margin: -99.90 dB
 Annual fade outage: 3942000.00 s
 Annual rain outage: 0.00 s
 Link availability: 50.0000 %

Receiver Site: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 142.0 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -297.42 dBW

Notes

San Francisco
 CT to Three Peaks

E950208 CT032 30 May 2005

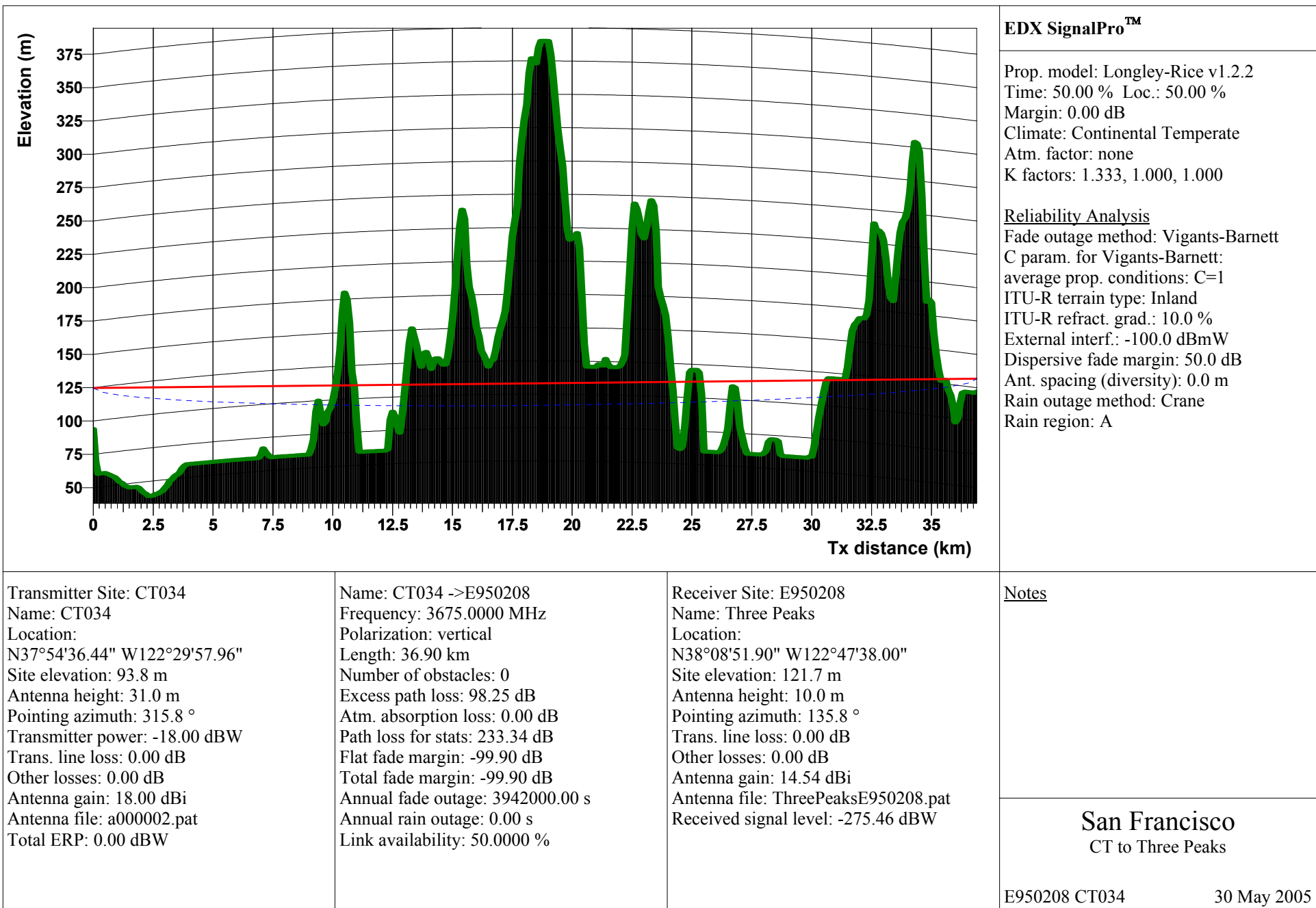


EDX SignalPro™
 Prop. model: Longley-Rice v1.2.2
 Time: 50.00 % Loc.: 50.00 %
 Margin: 0.00 dB
 Climate: Continental Temperate
 Atm. factor: none
 K factors: 1.333, 1.000, 1.000

Reliability Analysis
 Fade outage method: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

Notes

San Francisco
 CT to Three Peaks



EDX SignalPro™

Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

Transmitter Site: CT034
 Name: CT034
 Location:
 N37°54'36.44" W122°29'57.96"
 Site elevation: 93.8 m
 Antenna height: 31.0 m
 Pointing azimuth: 315.8 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

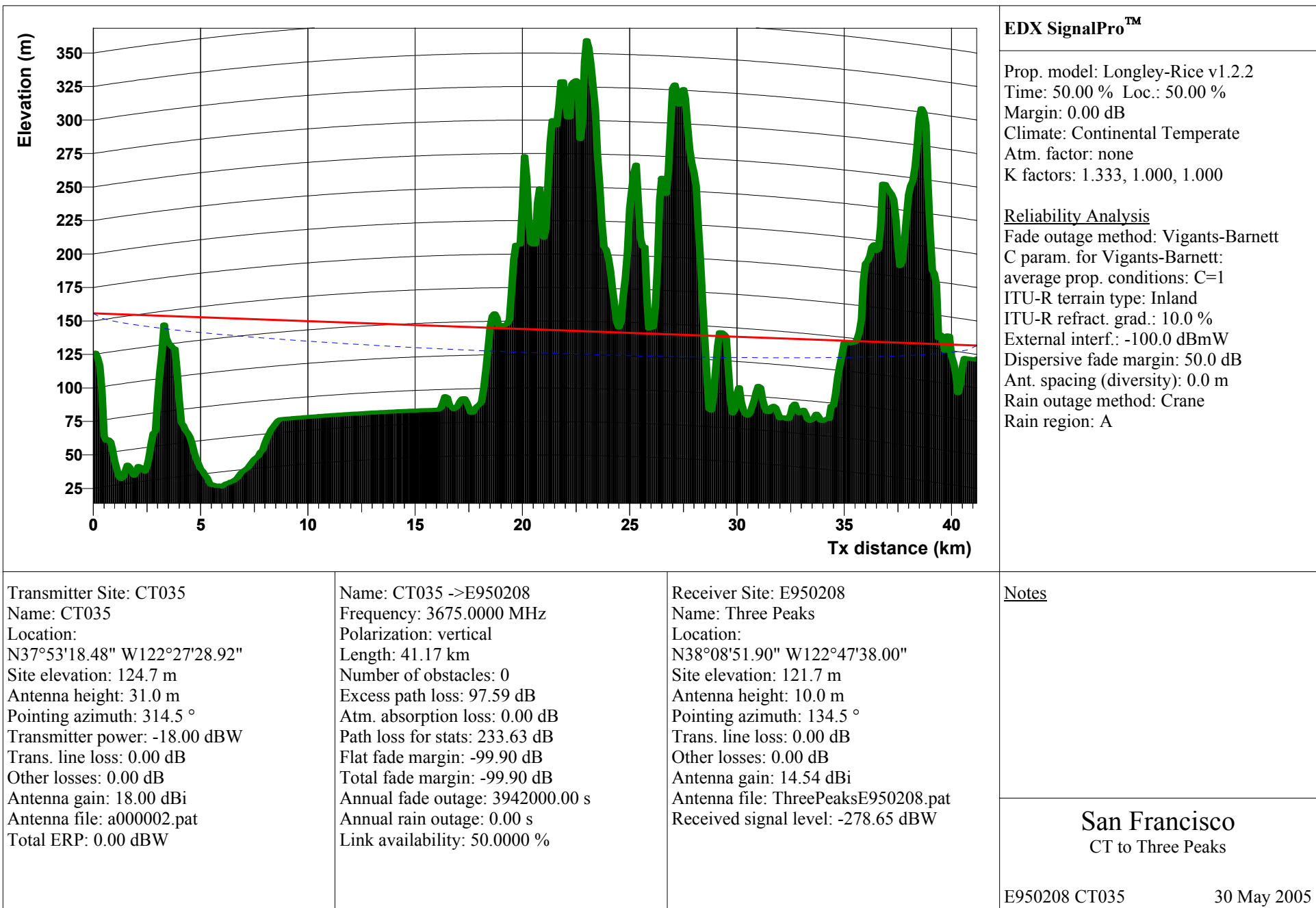
Name: CT034 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 36.90 km
 Number of obstacles: 0
 Excess path loss: 98.25 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 233.34 dB
 Flat fade margin: -99.90 dB
 Total fade margin: -99.90 dB
 Annual fade outage: 3942000.00 s
 Annual rain outage: 0.00 s
 Link availability: 50.0000 %

Receiver Site: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 135.8 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -275.46 dBW

Notes

San Francisco
 CT to Three Peaks

E950208 CT034 30 May 2005



EDX SignalPro™

Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

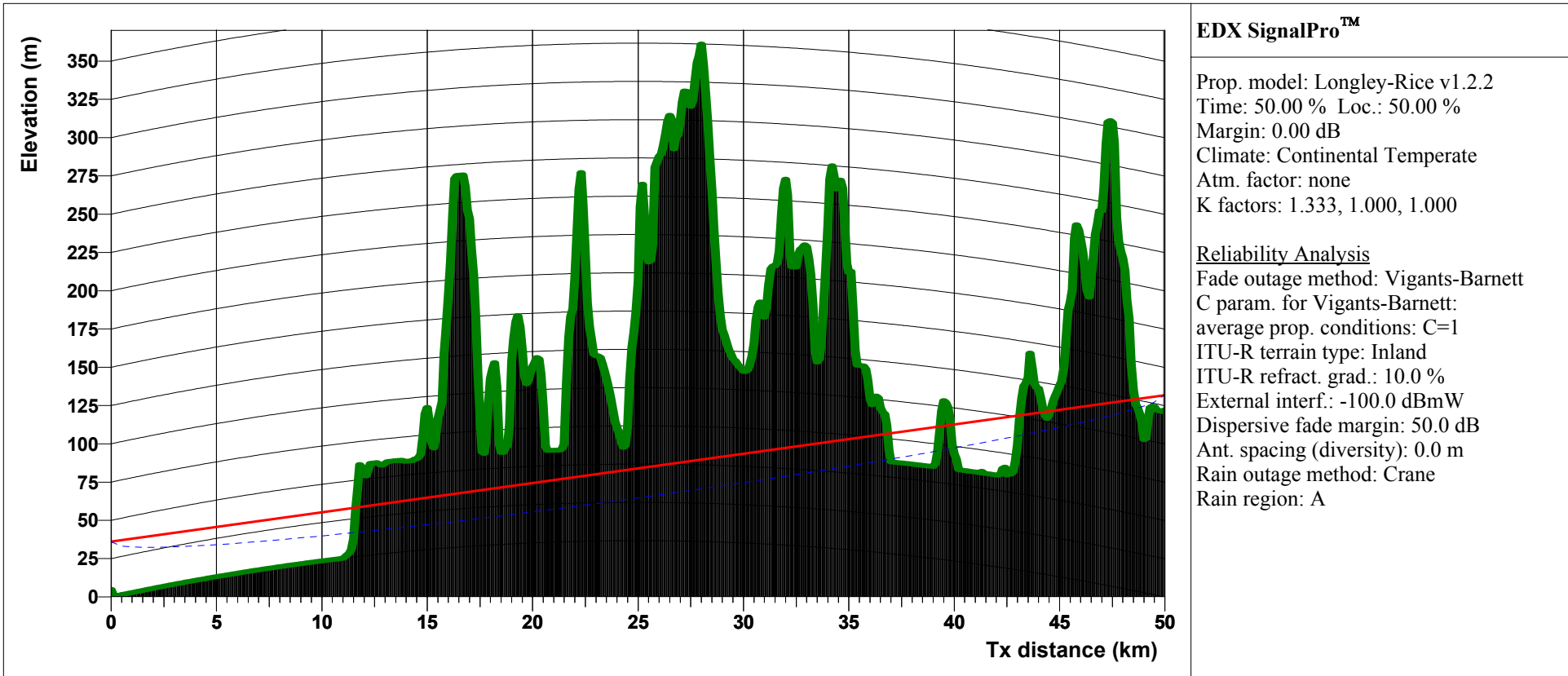
Transmitter Site: CT035
 Name: CT035
 Location:
 N37°53'18.48" W122°27'28.92"
 Site elevation: 124.7 m
 Antenna height: 31.0 m
 Pointing azimuth: 314.5 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

Name: CT035 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 41.17 km
 Number of obstacles: 0
 Excess path loss: 97.59 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 233.63 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: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 134.5 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -278.65 dBW

Notes

San Francisco
 CT to Three Peaks



Transmitter Site: CT036
 Name: CT036
 Location:
 N37°48'35.78" W122°25'04.92"
 Site elevation: 5.1 m
 Antenna height: 31.0 m
 Pointing azimuth: 318.9 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

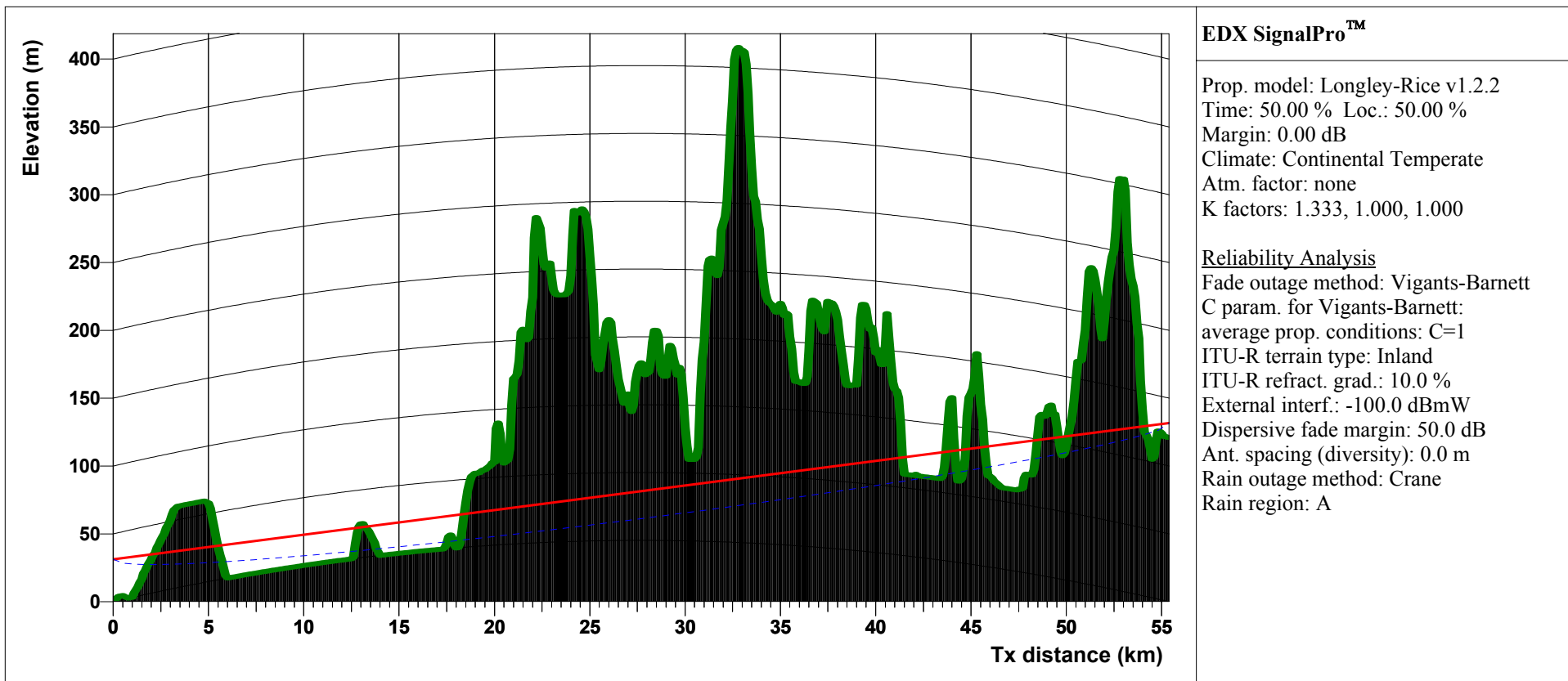
Name: CT036 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 49.93 km
 Number of obstacles: 0
 Excess path loss: 105.47 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 243.20 dB
 Flat fade margin: -99.90 dB
 Total fade margin: -99.90 dB
 Annual fade outage: 3942000.00 s
 Annual rain outage: 0.00 s
 Link availability: 50.0000 %

Receiver Site: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 138.9 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -289.23 dBW

Notes

San Francisco
 CT to Three Peaks

E950208 CT036 30 May 2005



EDX SignalPro™

Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

Transmitter Site: CT140
 Name: CT140
 Location:
 N37°45'59.15" W122°23'09.97"
 Site elevation: 0.3 m
 Antenna height: 31.0 m
 Pointing azimuth: 320.0 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

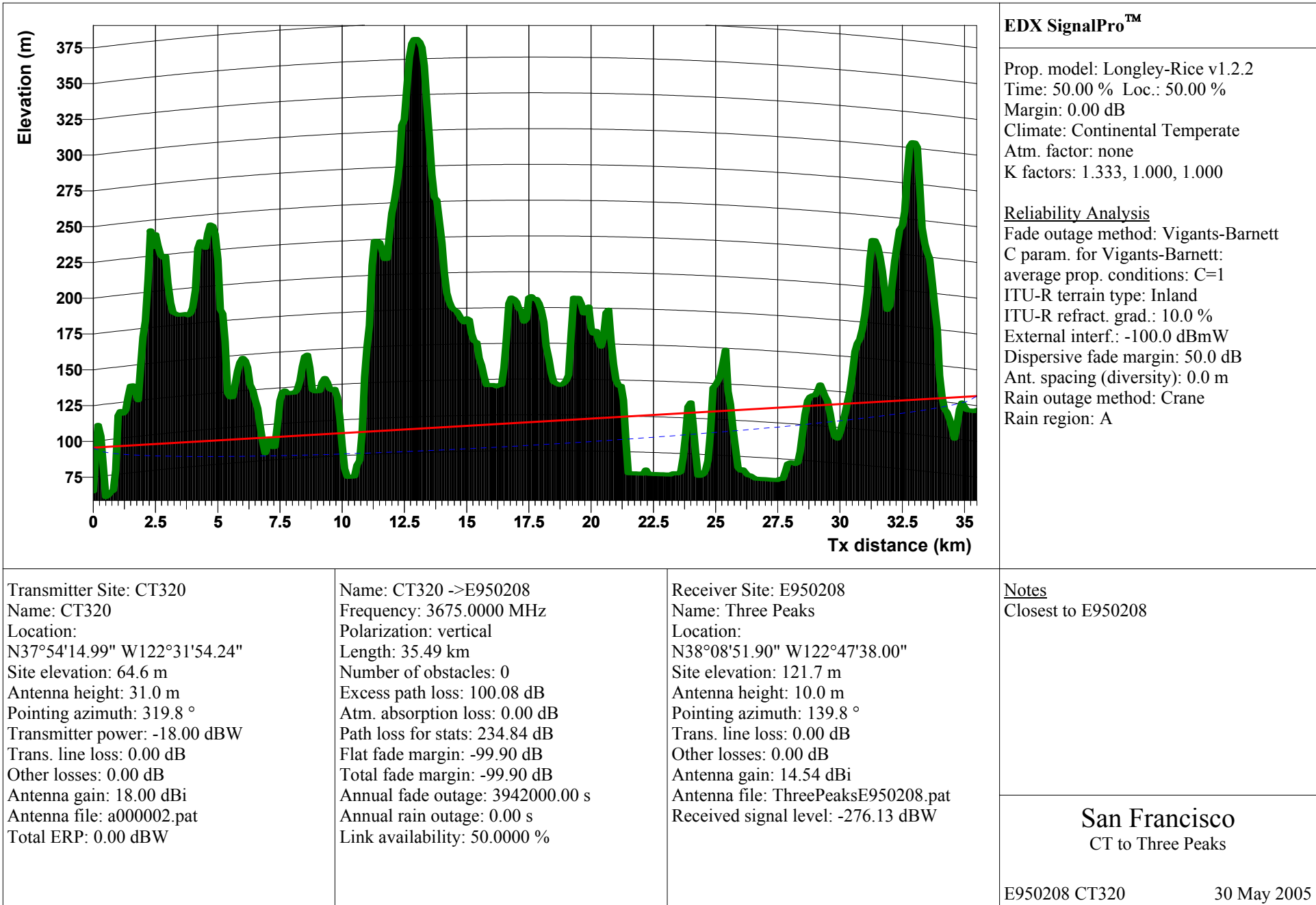
Name: CT140 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 55.43 km
 Number of obstacles: 0
 Excess path loss: 106.30 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 244.93 dB
 Flat fade margin: -99.90 dB
 Total fade margin: -99.90 dB
 Annual fade outage: 3942000.00 s
 Annual rain outage: 0.00 s
 Link availability: 50.0000 %

Receiver Site: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 140.0 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -250.30 dBW

Notes
 On axis to E950208
 No CT antenna azimuth
 discrimination

San Francisco
 CT to Three Peaks

E950208 CT140 30 May 2005



EDX SignalPro™

Prop. model: Longley-Rice v1.2.2
 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: 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.: -100.0 dBmW
 Dispersive fade margin: 50.0 dB
 Ant. spacing (diversity): 0.0 m
 Rain outage method: Crane
 Rain region: A

Transmitter Site: CT320
 Name: CT320
 Location:
 N37°54'14.99" W122°31'54.24"
 Site elevation: 64.6 m
 Antenna height: 31.0 m
 Pointing azimuth: 319.8 °
 Transmitter power: -18.00 dBW
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 18.00 dBi
 Antenna file: a000002.pat
 Total ERP: 0.00 dBW

Name: CT320 ->E950208
 Frequency: 3675.0000 MHz
 Polarization: vertical
 Length: 35.49 km
 Number of obstacles: 0
 Excess path loss: 100.08 dB
 Atm. absorption loss: 0.00 dB
 Path loss for stats: 234.84 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: E950208
 Name: Three Peaks
 Location:
 N38°08'51.90" W122°47'38.00"
 Site elevation: 121.7 m
 Antenna height: 10.0 m
 Pointing azimuth: 139.8 °
 Trans. line loss: 0.00 dB
 Other losses: 0.00 dB
 Antenna gain: 14.54 dBi
 Antenna file: ThreePeaksE950208.pat
 Received signal level: -276.13 dBW

Notes
 Closest to E950208

San Francisco
 CT to Three Peaks

E950208 CT320 30 May 2005

This work is based upon our best interpretation of present system information, technical data, FCC rules and policies and policies and rules of other agencies. Due to the constantly changing nature of these data and policies, no work contained herein is warranted to be acceptable by the FCC or other agencies; or warranted that any action or undertaking based on it will be successful; or warranted that further submittals, administrative actions or litigations will not be required by others in support of this information or work. In the event of errors or omissions, our liability is strictly limited to replacement of this document with a corrected one. Any liability for consequential damages is specifically disclaimed.

This document was produced by the ComSpec Corporation for the sole use by its authorized clients and affiliates. Any reproduction, duplication or unauthorized use of this document or the written accounts of the information contained herein is strictly prohibited without the express written permission of the ComSpec Corporation.

Copyright 2005 by
ComSpec Corp.
822 North Elm Street
Greensboro, NC 27401