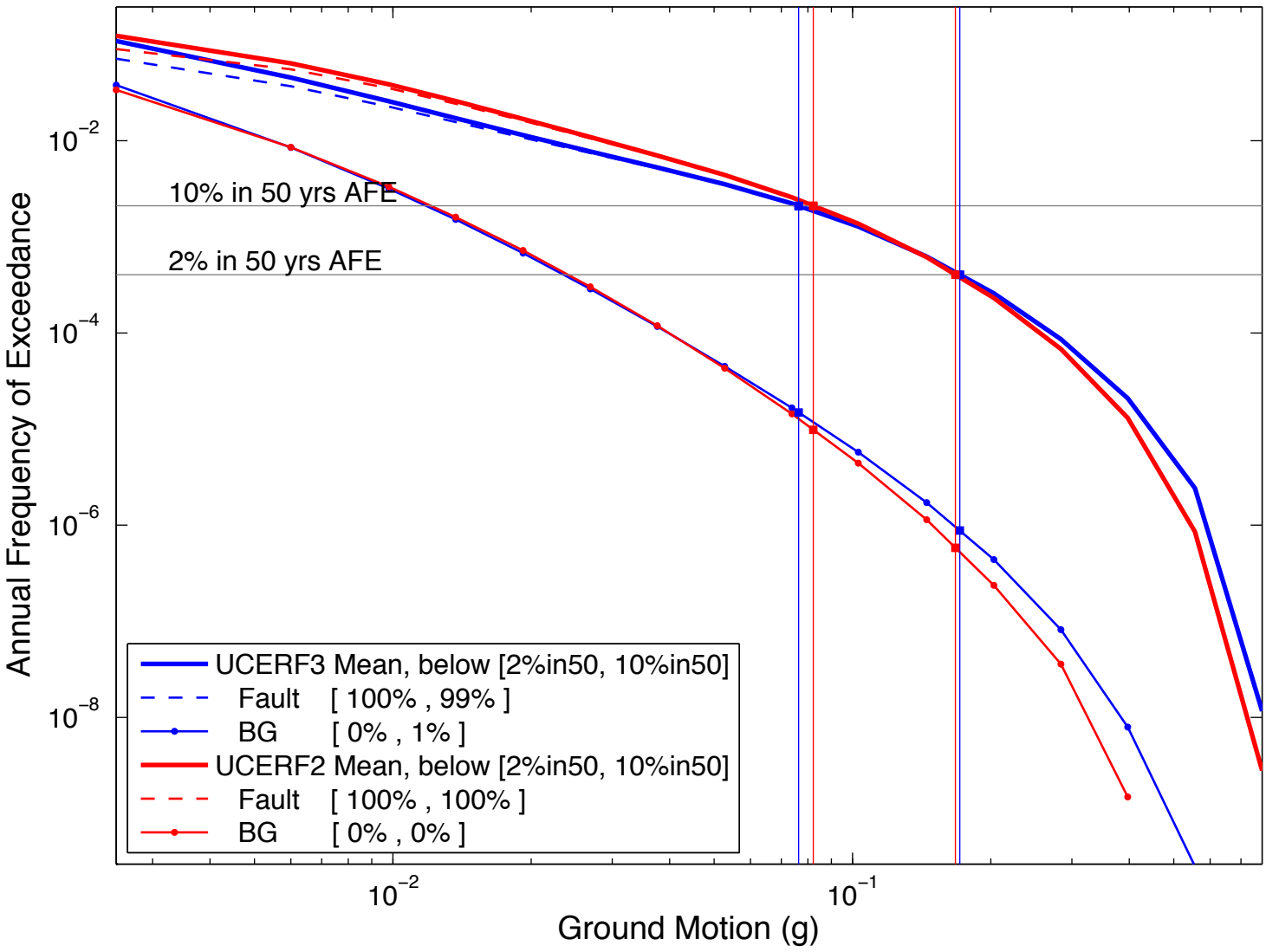
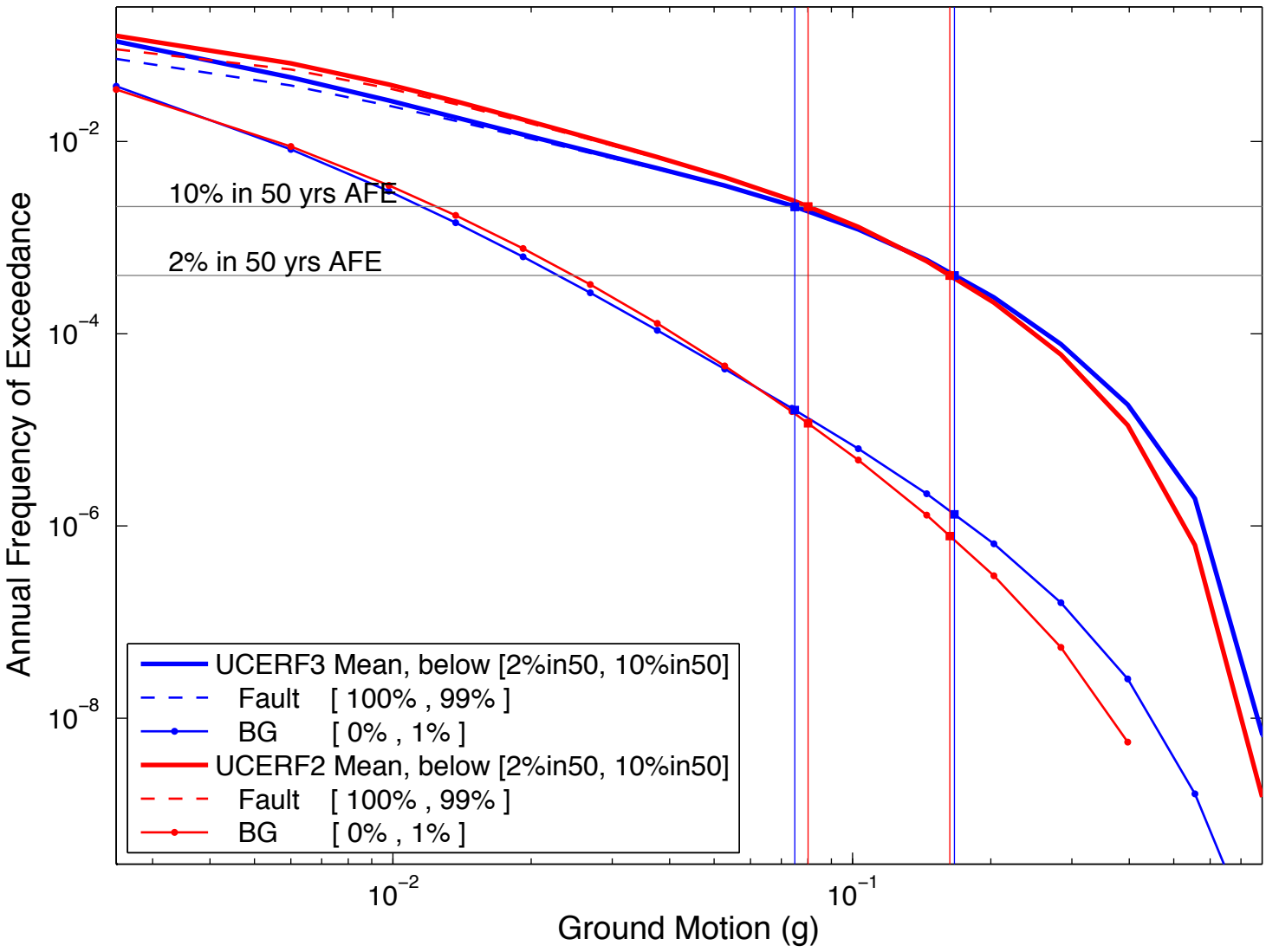
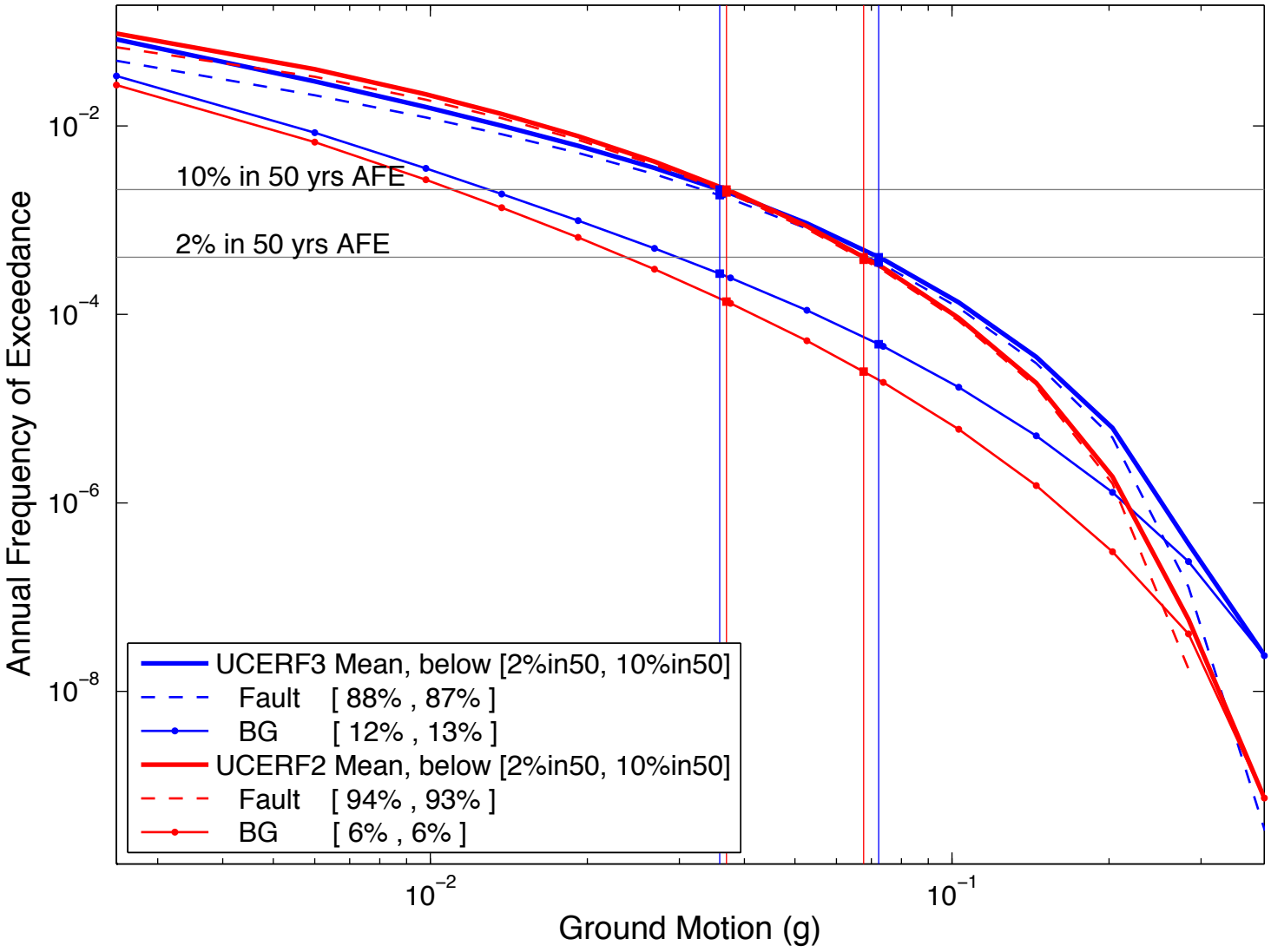
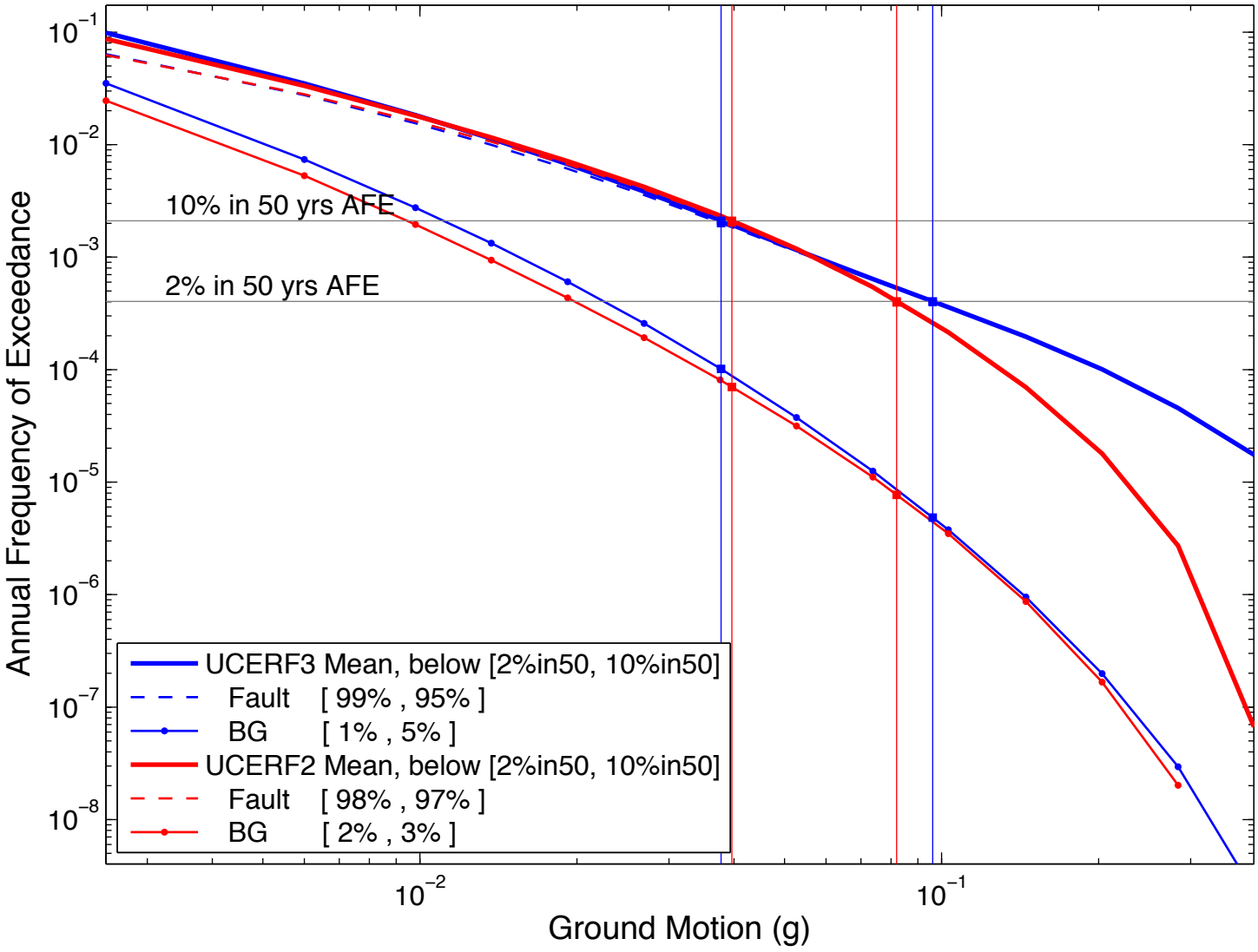

ACTN (34.46, −118.18) : 4Sec
Annual Frequency of Exceedance
10^−2
10^−4
10^−6
10^−8
10% in 50 yrs AFE
2% in 50 yrs AFE
UCERF3 Mean, below [2%in50, 10%in50]
Fault [100% , 99%]
BG [0% , 1%]
UCERF2 Mean, below [2%in50, 10%in50]
Fault [100% , 100%]
BG [0% , 0%]
10^−2
10^−1
Ground Motion (g)

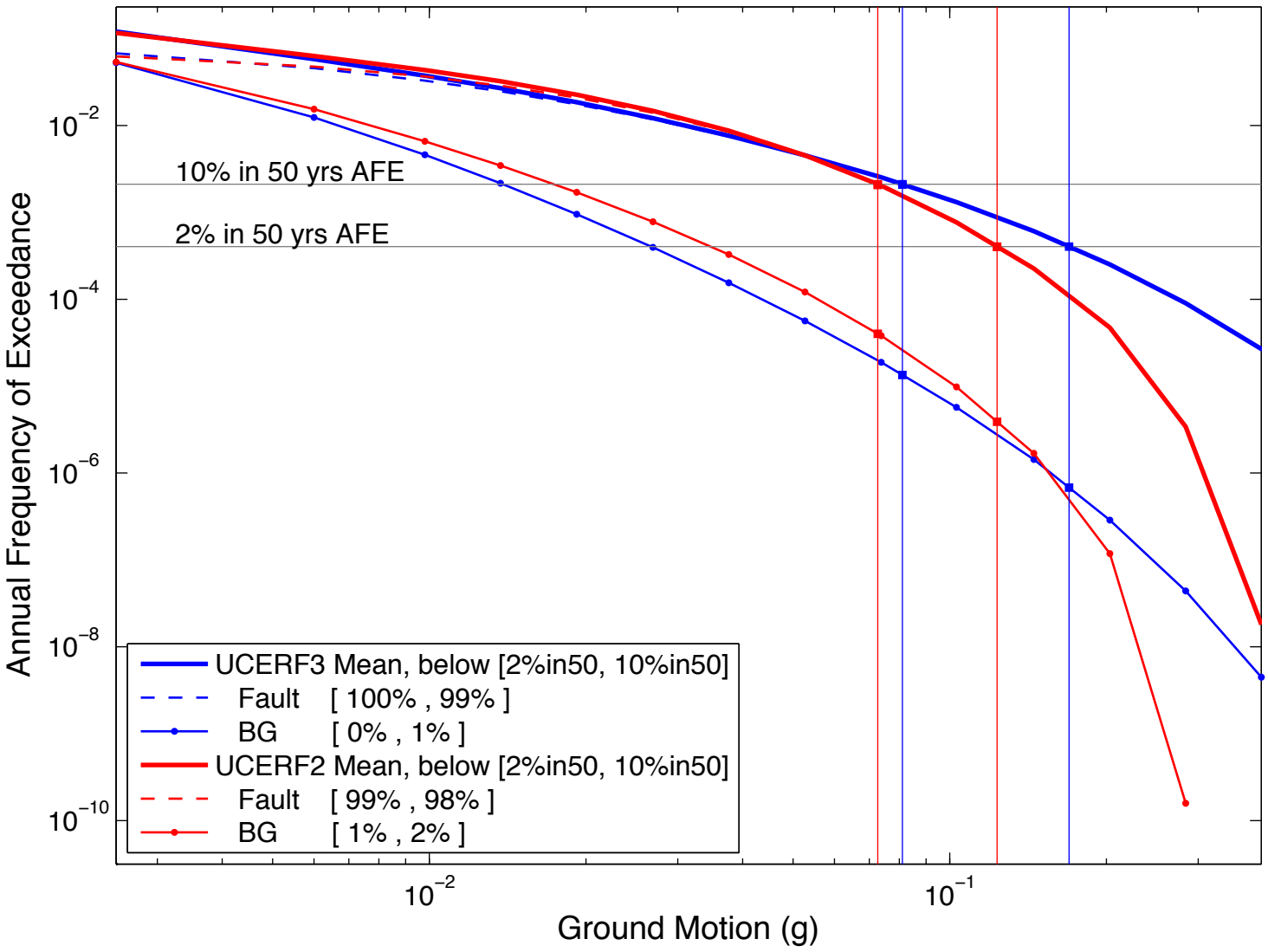

AC01 (34.42, –118.10) : 4Sec
Annual Frequency of Exceedance
Ground Motion (g)
10% in 50 yrs AFE
2% in 50 yrs AFE
UCERF3 Mean, below [2%in50, 10%in50]
Fault [100% , 99%]
BG [0% , 1%]
UCERF2 Mean, below [2%in50, 10%in50]
Fault [100% , 99%]
BG [0% , 1%]

Bakersfield (35.35, −119.00) : 4Sec

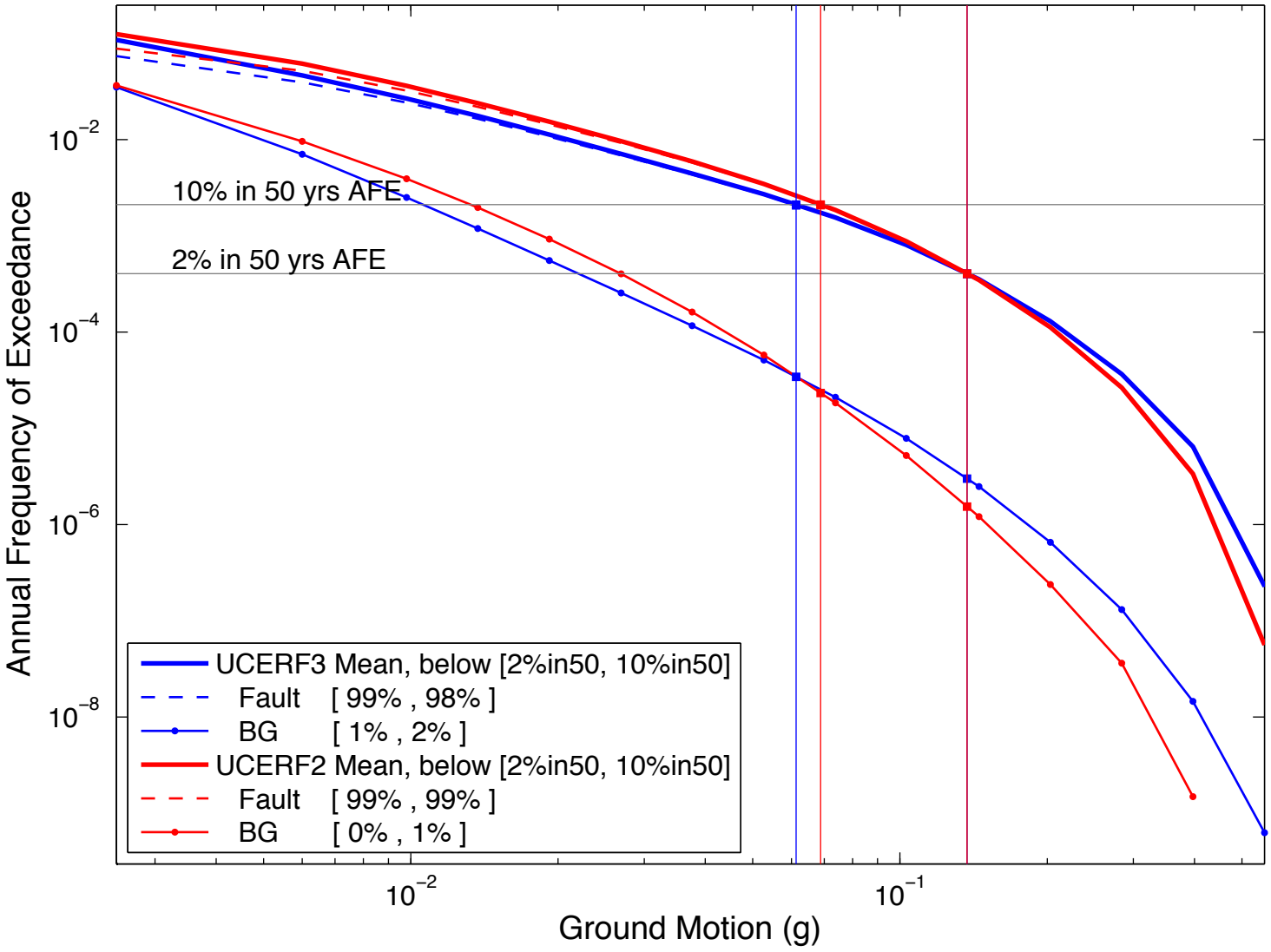


Big Sur (36.25, −121.75) : 4Sec

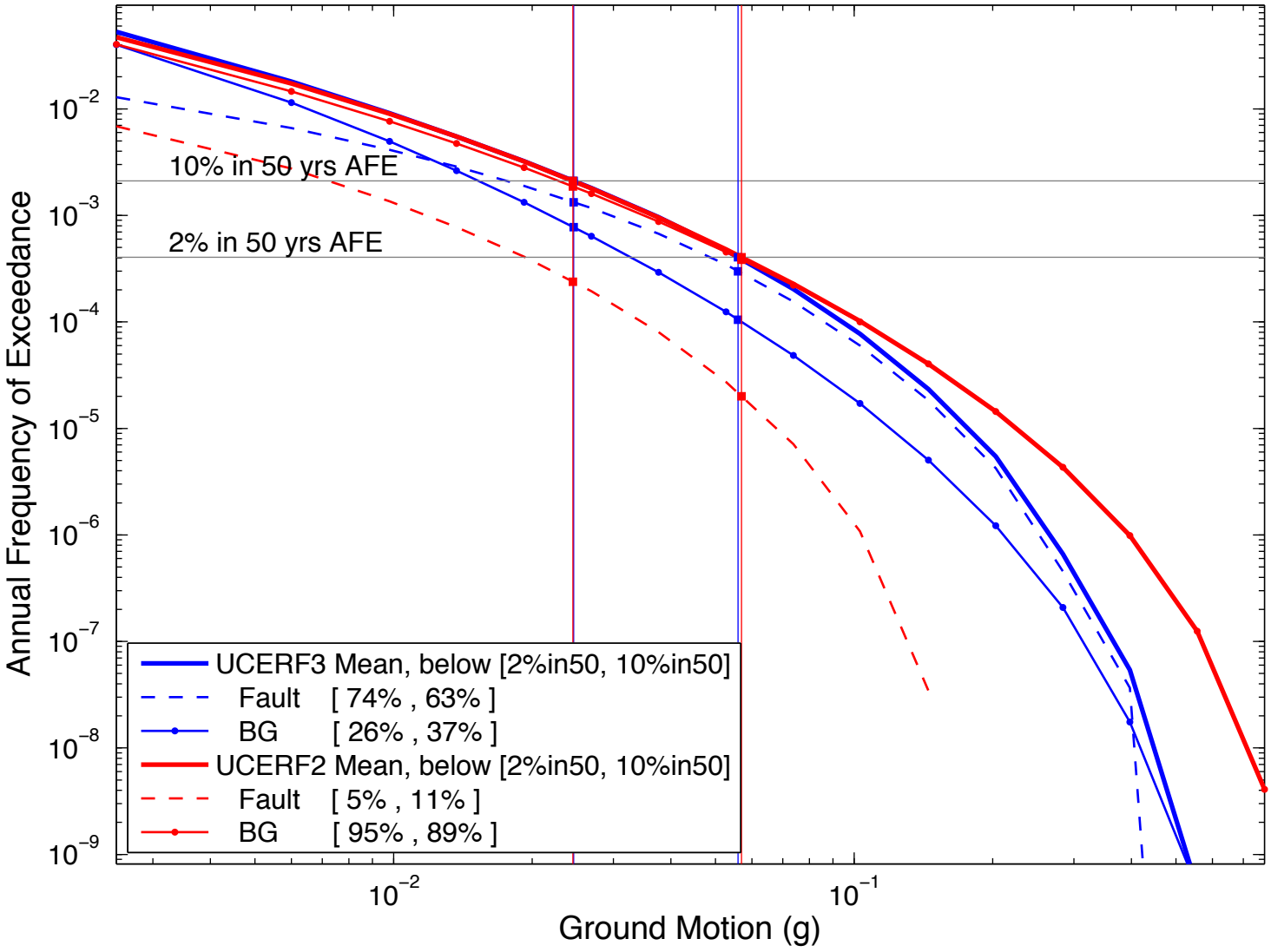


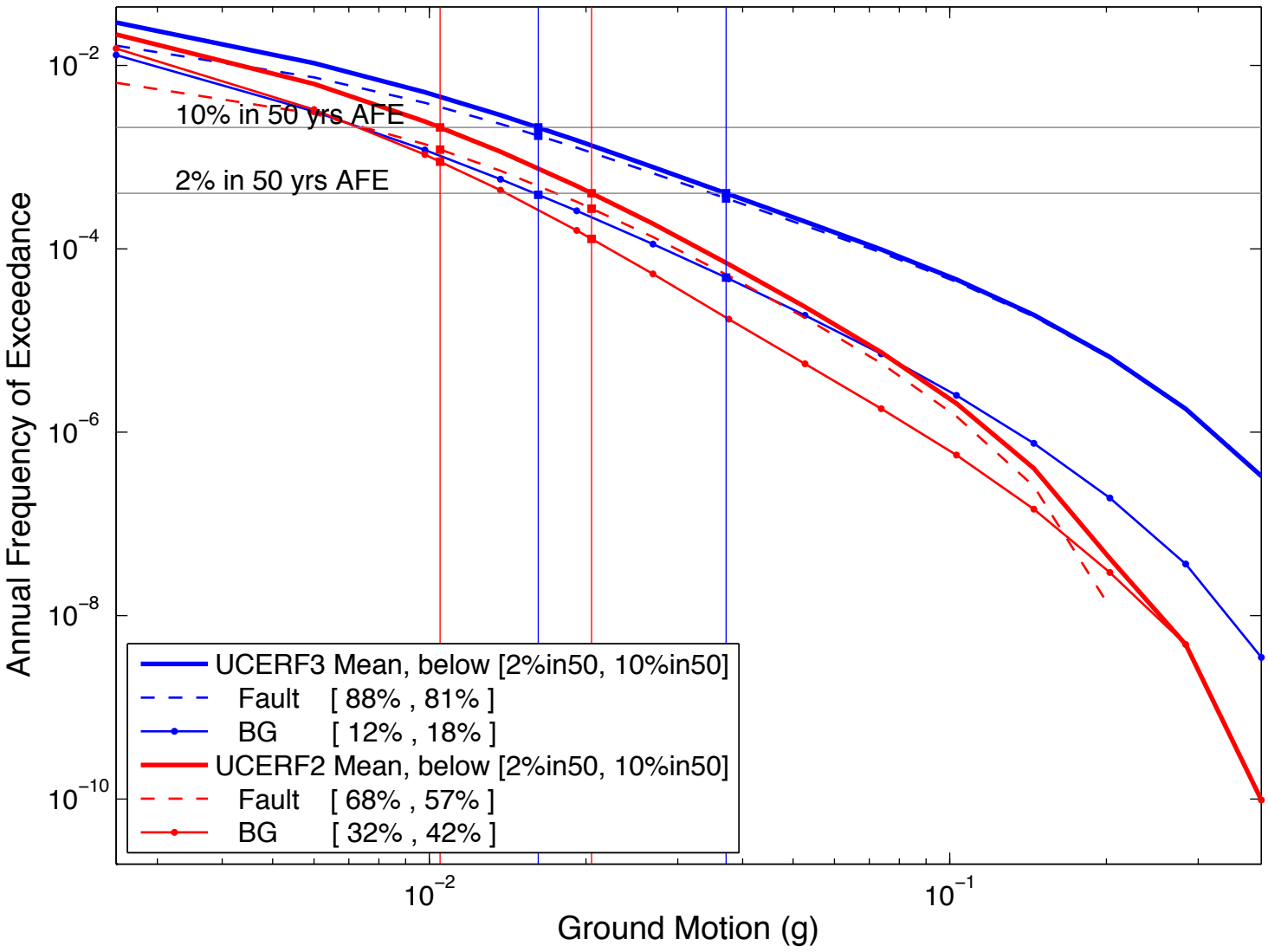

Brawley (33.00, −115.55) : 4Sec
Annual Frequency of Exceedance
Ground Motion (g)
10% in 50 yrs AFE
2% in 50 yrs AFE
UCERF3 Mean, below [2%in50, 10%in50]
Fault [100% , 99%]
BG [0% , 1%]
UCERF2 Mean, below [2%in50, 10%in50]
Fault [99% , 98%]
BG [1% , 2%]

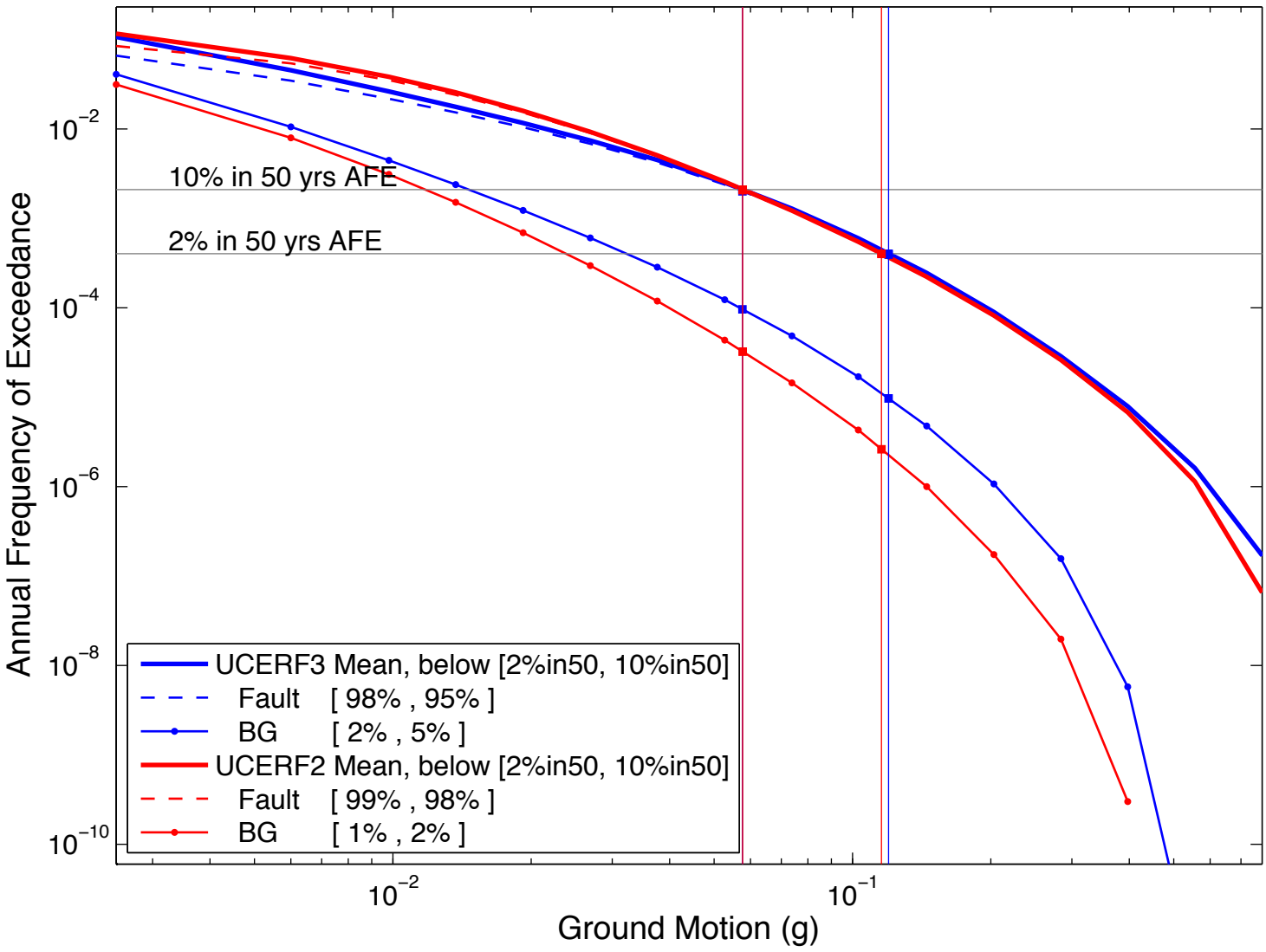
BKBU (34.56, −117.73) : 4Sec



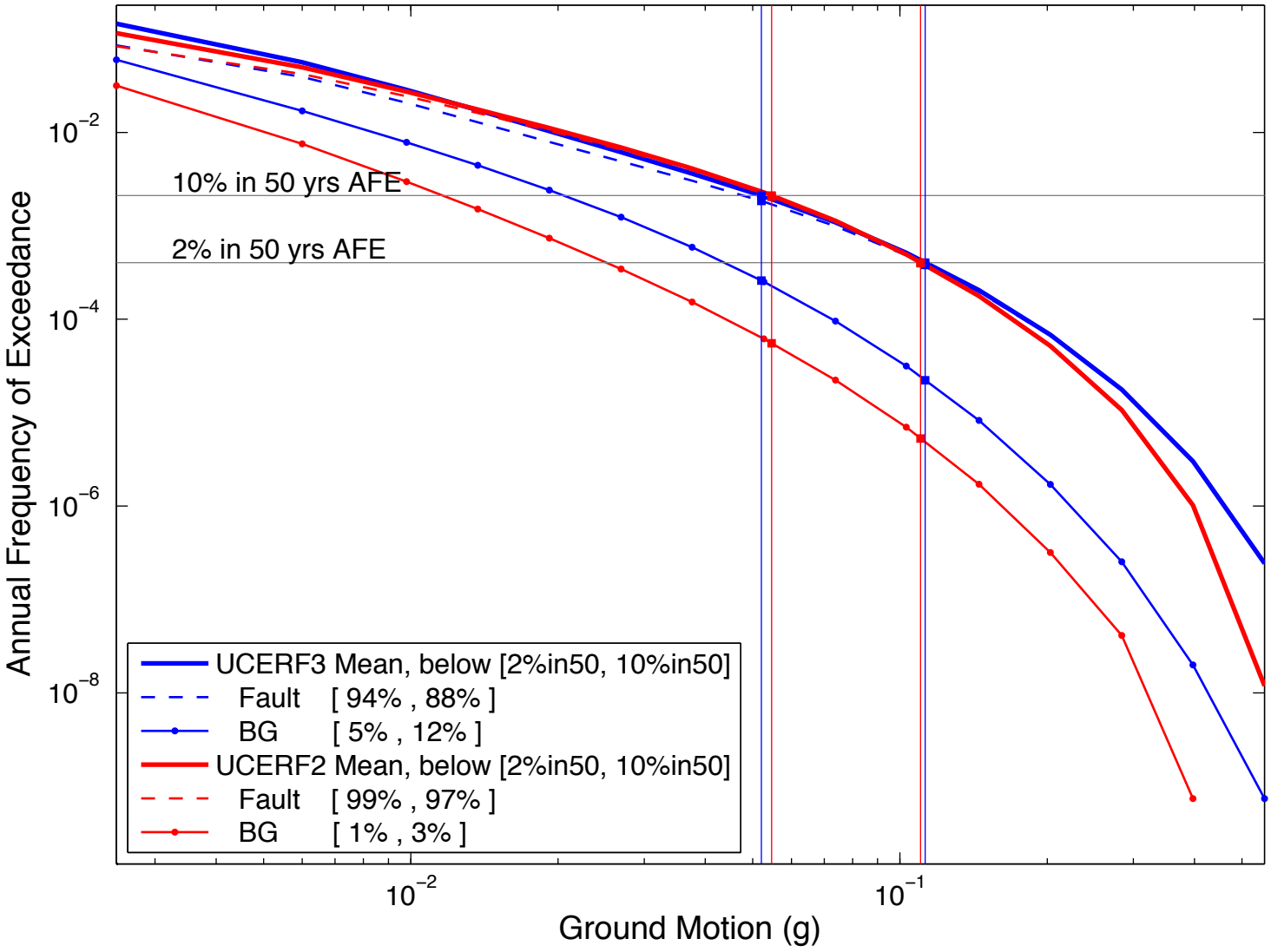
Carson City (39.15, −119.75) : 4Sec



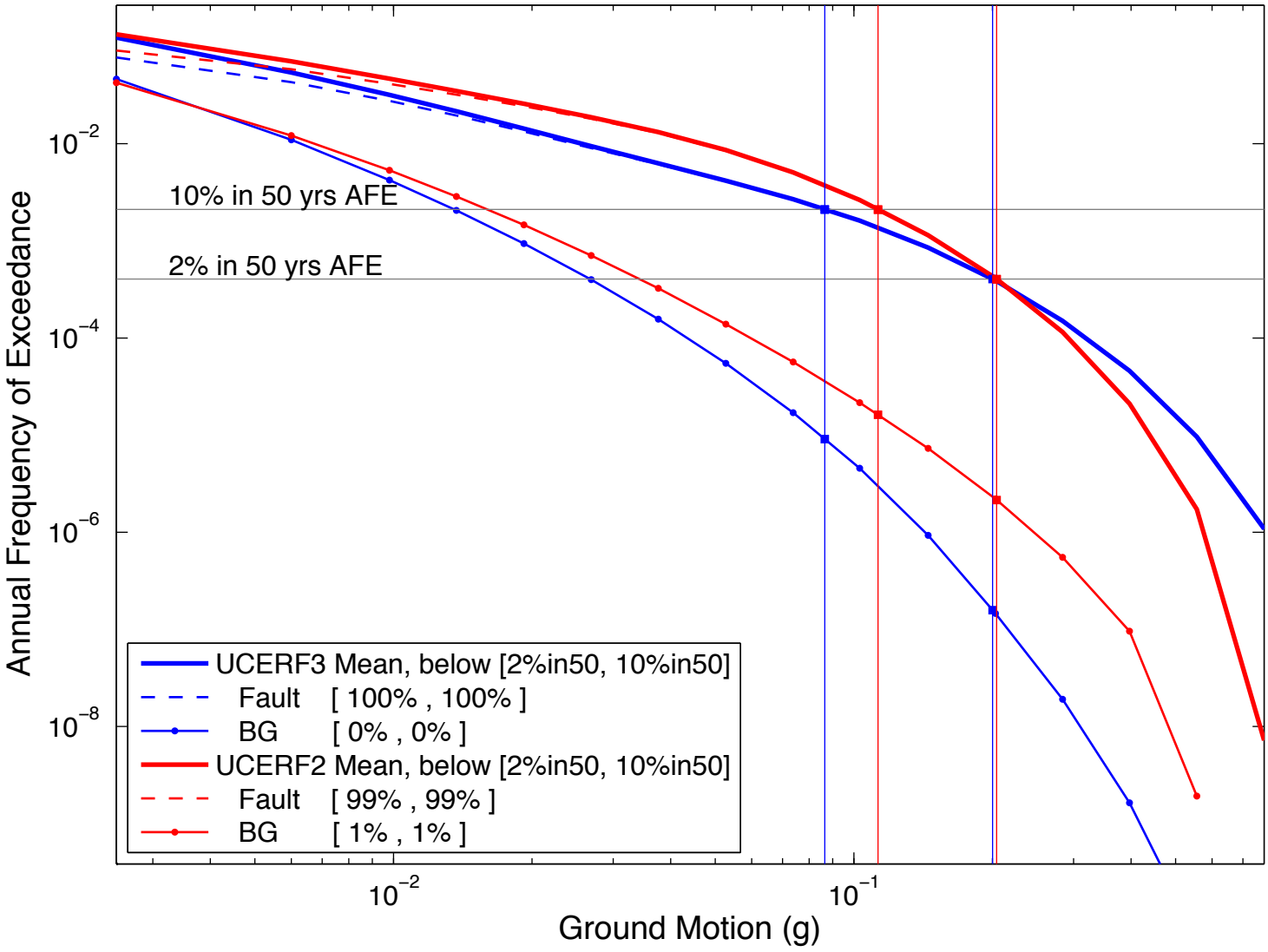

Brookings (42.05, −124.25) : 4Sec
10% in 50 yrs AFE
2% in 50 yrs AFE
Annual Frequency of Exceedance
Ground Motion (g)
UCERF3 Mean, below [2%in50, 10%in50]
Fault [88% , 81%]
BG [12% , 18%]
UCERF2 Mean, below [2%in50, 10%in50]
Fault [68% , 57%]
BG [32% , 42%]


Century City (34.05, –118.40) : 4Sec
Annual Frequency of Exceedance
Ground Motion (g)
10% in 50 yrs AFE
2% in 50 yrs AFE
UCERF3 Mean, below [2%in50, 10%in50]
Fault [98% , 95%]
BG [2% , 5%]
UCERF2 Mean, below [2%in50, 10%in50]
Fault [99% , 98%]
BG [1% , 2%]

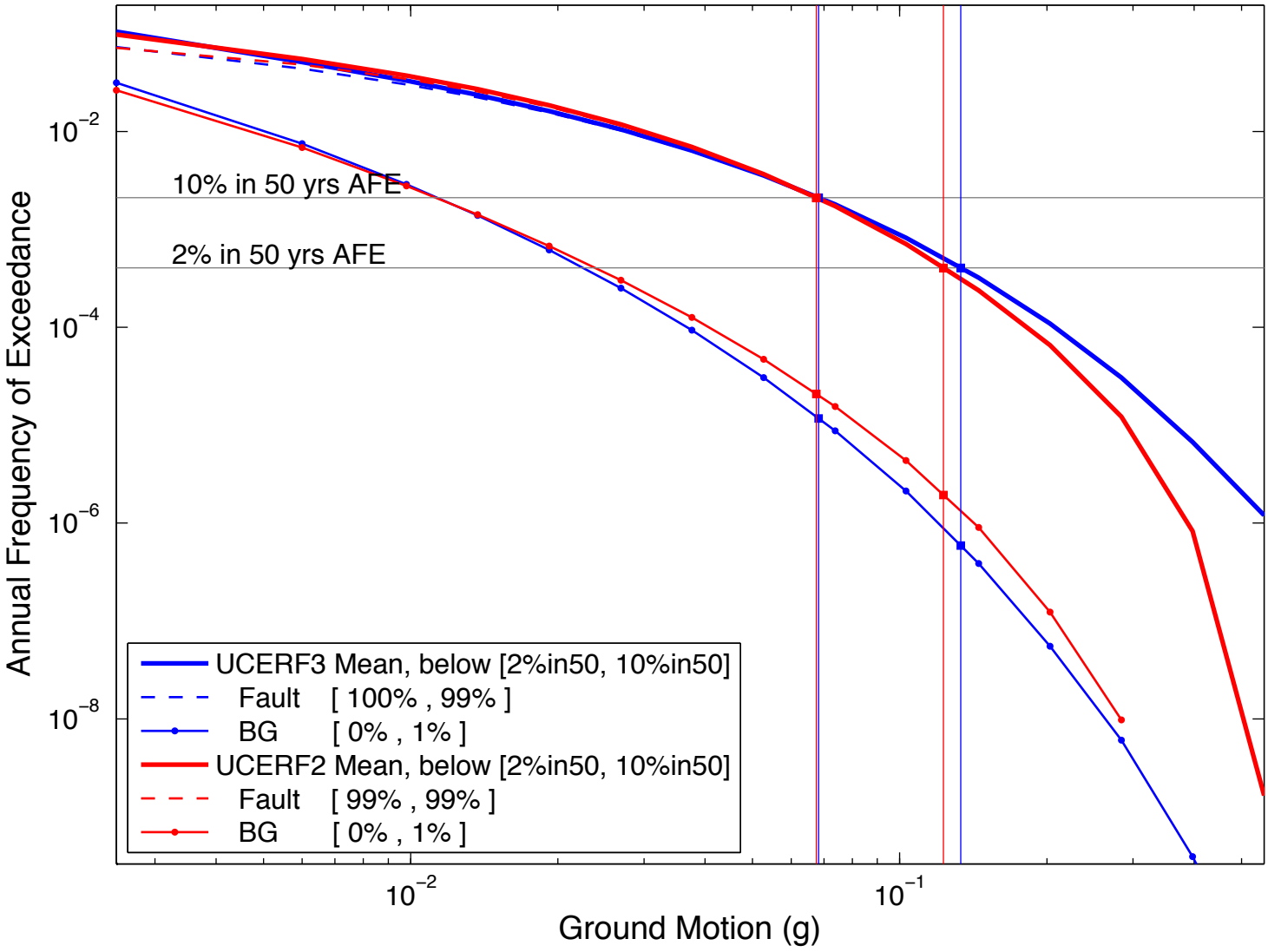
Coalinga (36.15, −120.40) : 4Sec

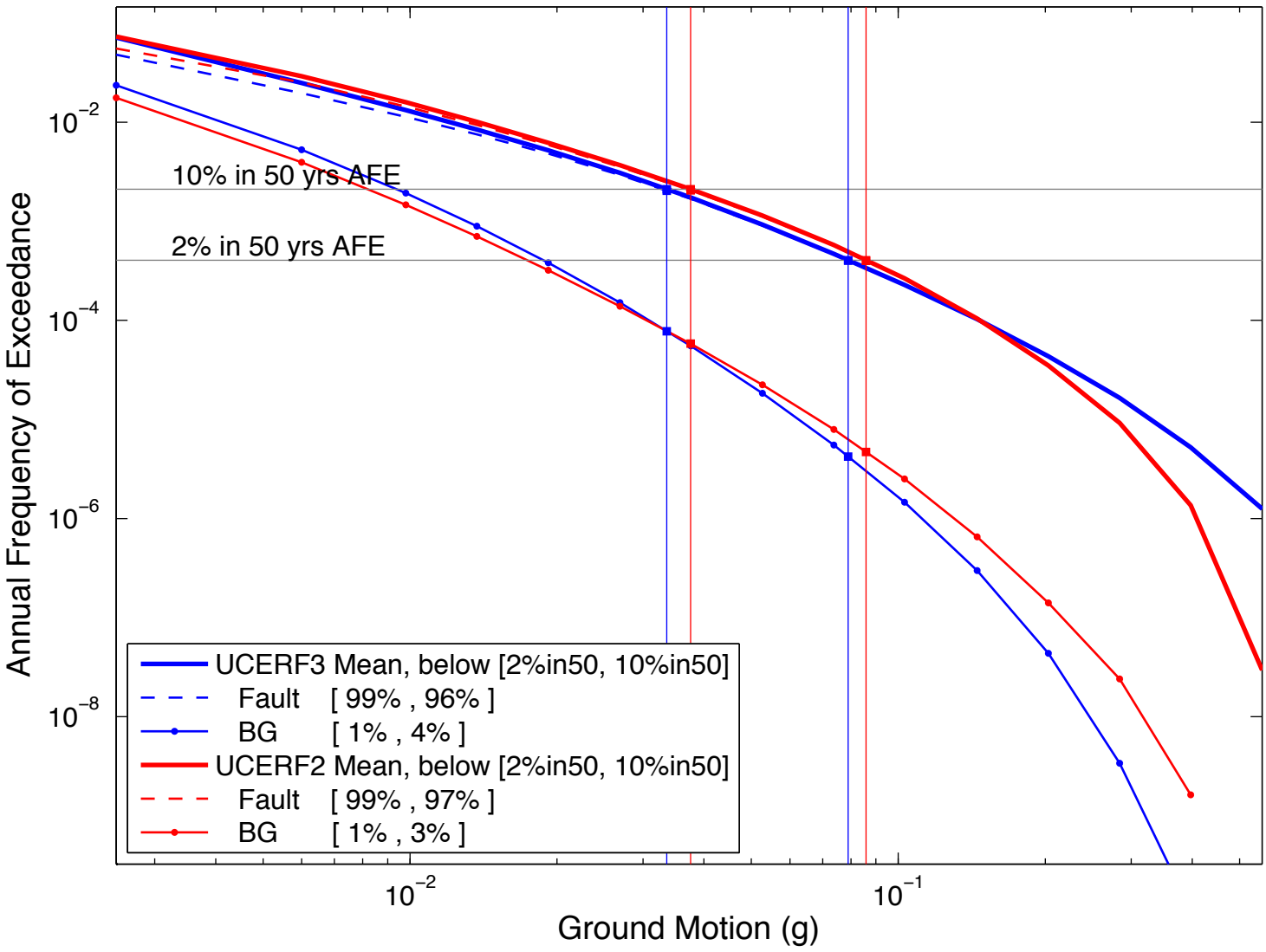


Cucamonga (34.20, −117.55) : 4Sec

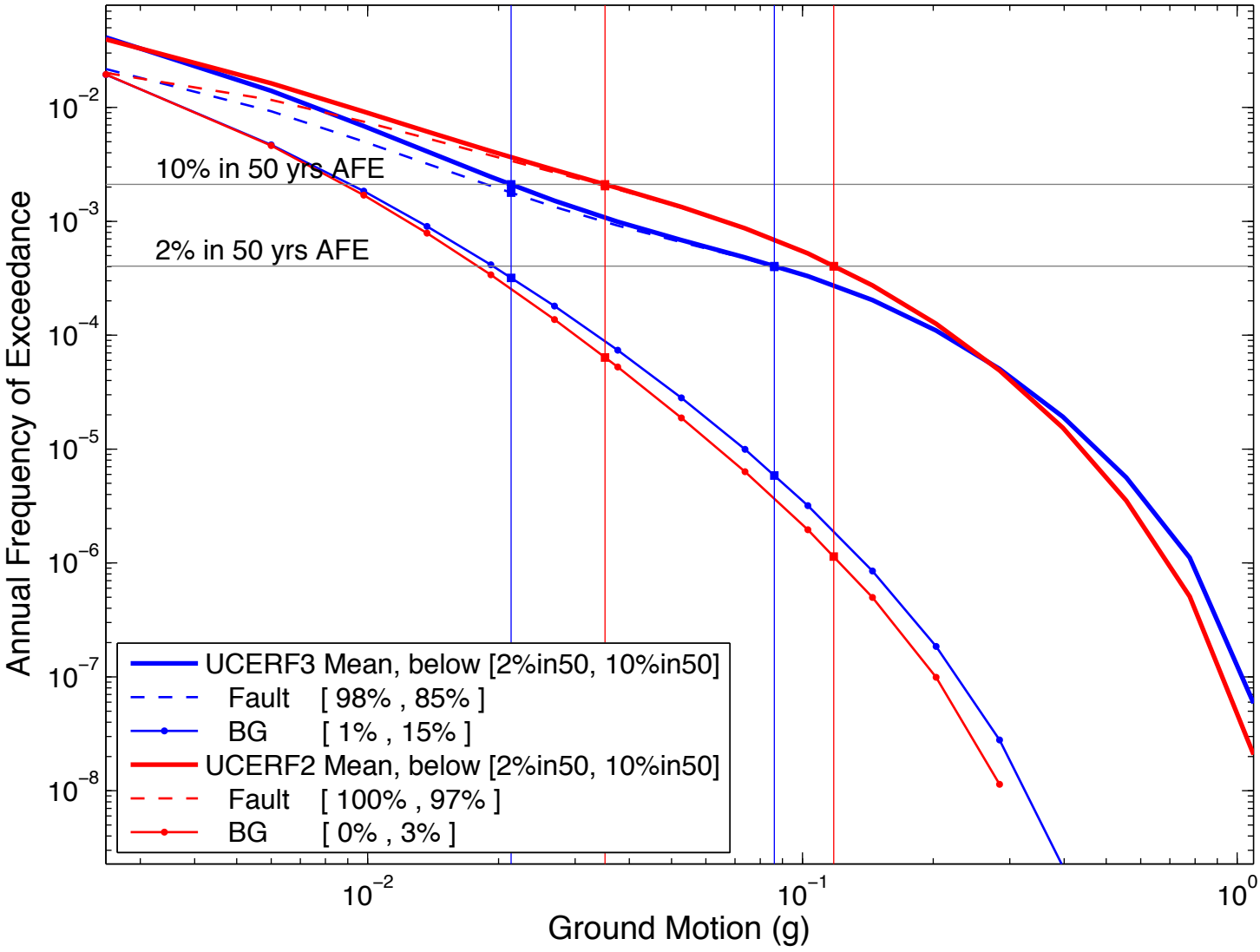


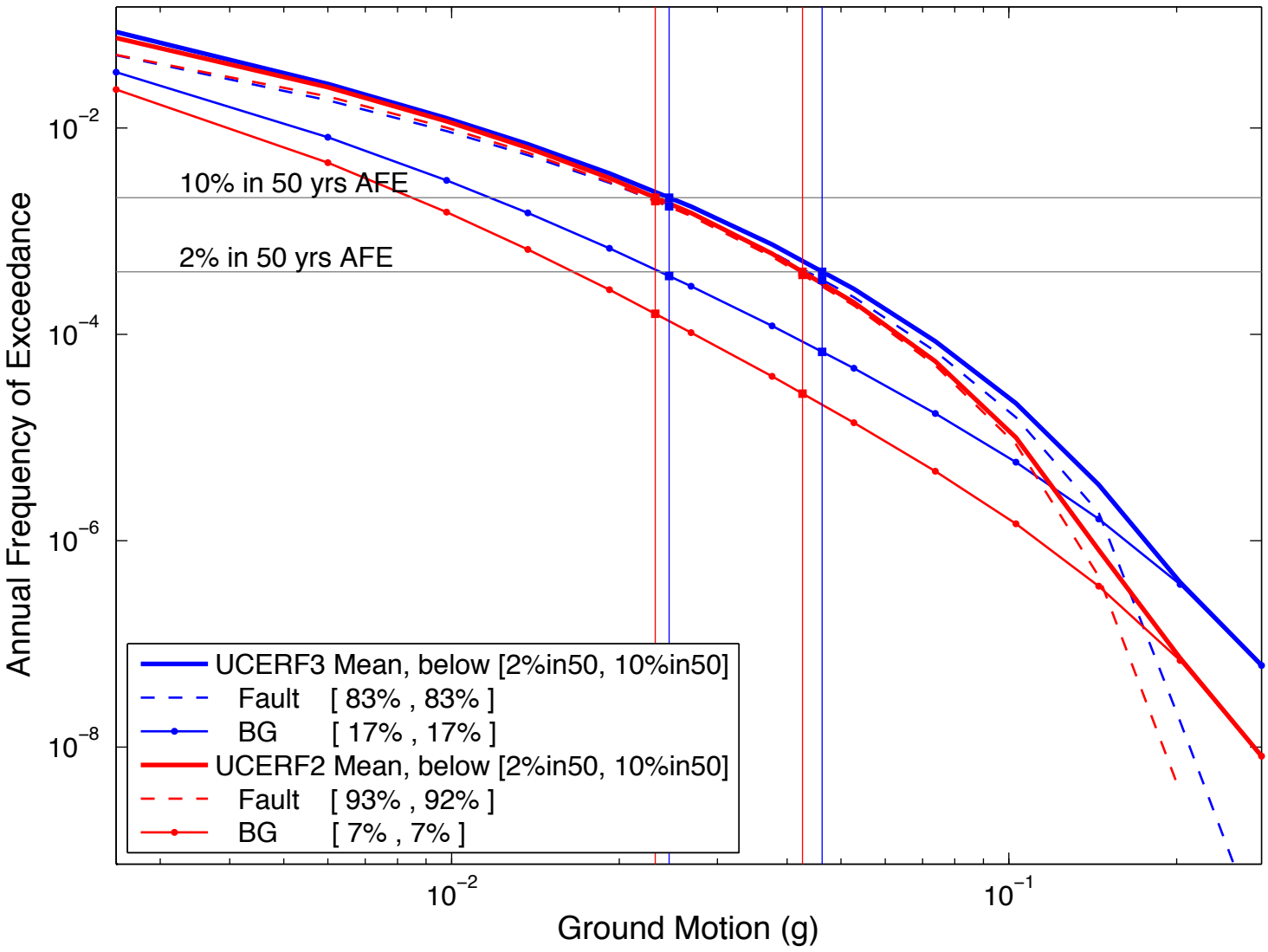
Concord (37.95, –122.00) : 4Sec



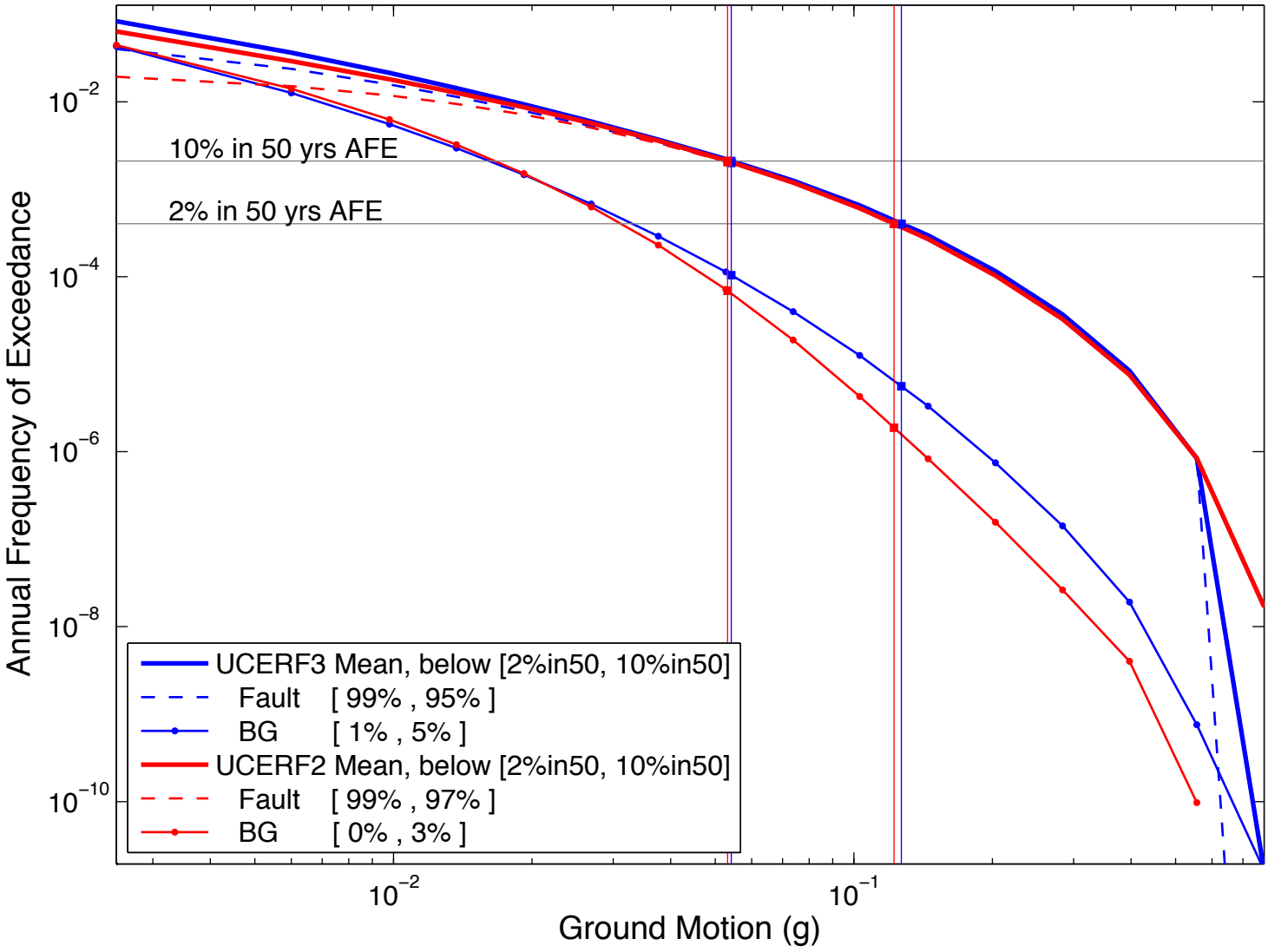

Diablo Canyon (35.20, −120.85) : 4Sec
Annual Frequency of Exceedance
Ground Motion (g)
10% in 50 yrs AFE
2% in 50 yrs AFE
UCERF3 Mean, below [2%in50, 10%in50]
Fault [99% , 96%]
BG [1% , 4%]
UCERF2 Mean, below [2%in50, 10%in50]
Fault [99% , 97%]
BG [1% , 3%]

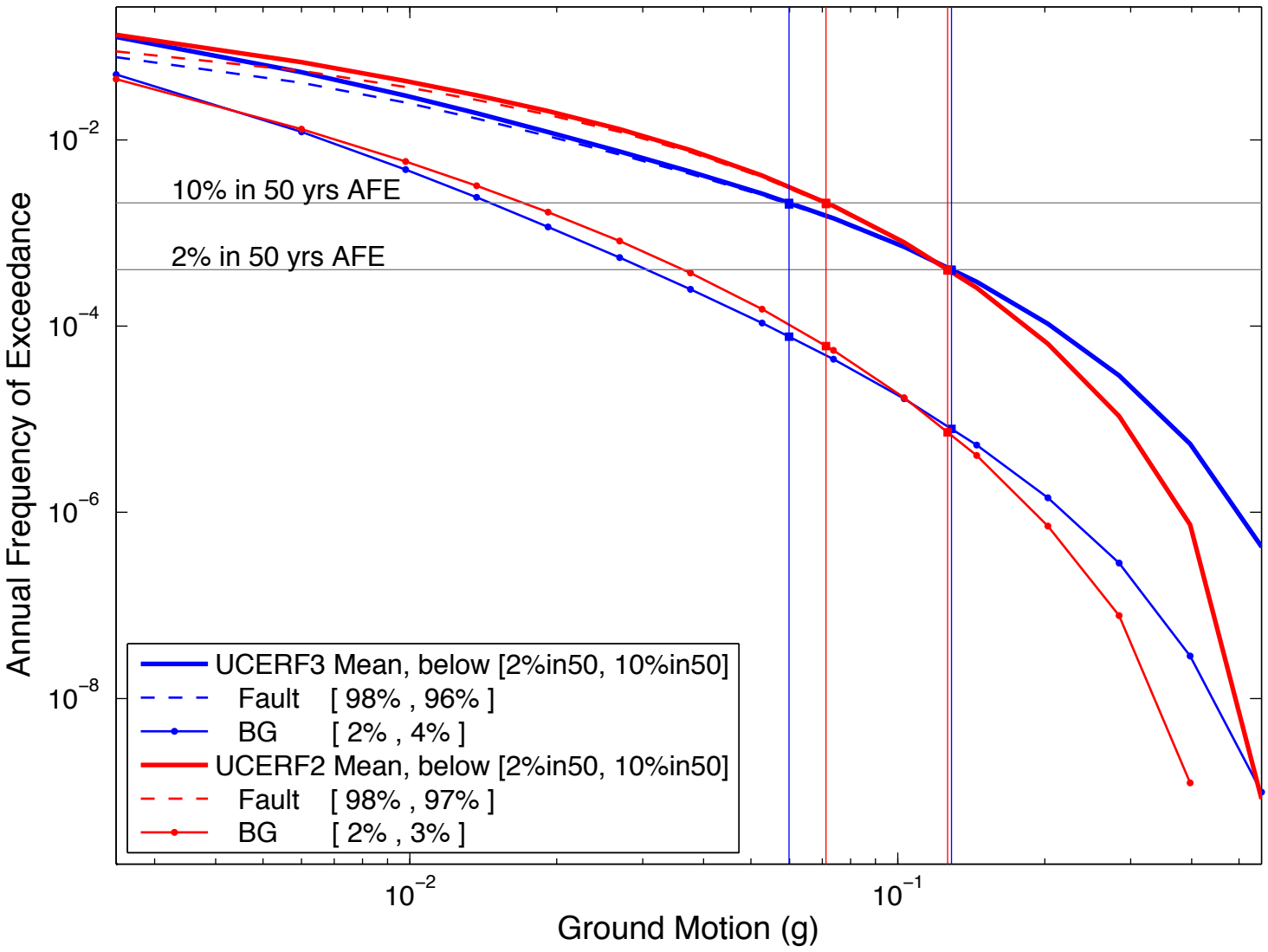
Death Valley (36.35, −116.85) : 4Sec

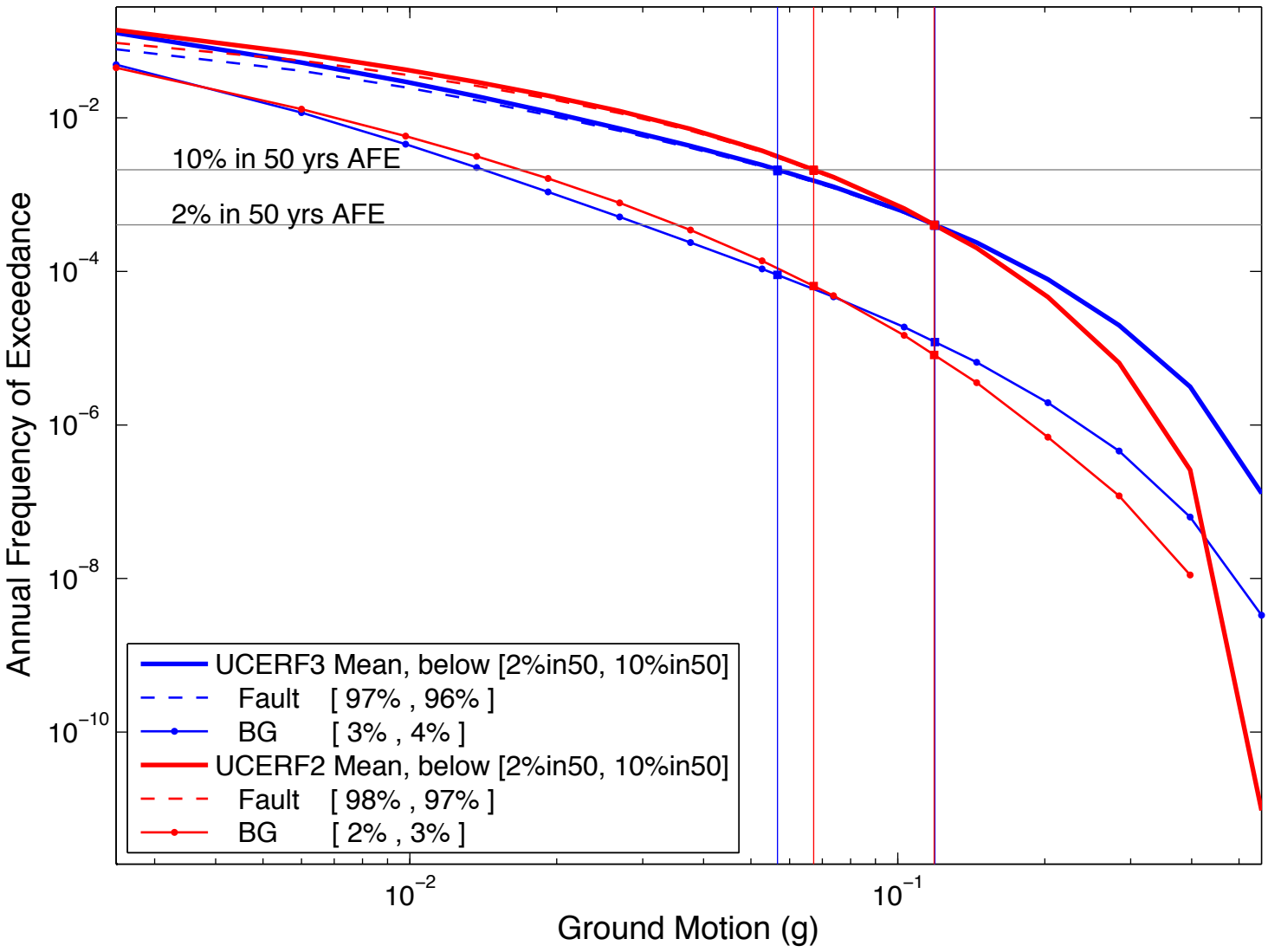



Fresno (36.75, −119.75) : 4Sec
Annual Frequency of Exceedance
Ground Motion (g)
10% in 50 yrs AFE
2% in 50 yrs AFE
UCERF3 Mean, below [2%in50, 10%in50]
Fault [83% , 83%]
BG [17% , 17%]
UCERF2 Mean, below [2%in50, 10%in50]
Fault [93% , 92%]
BG [7% , 7%]

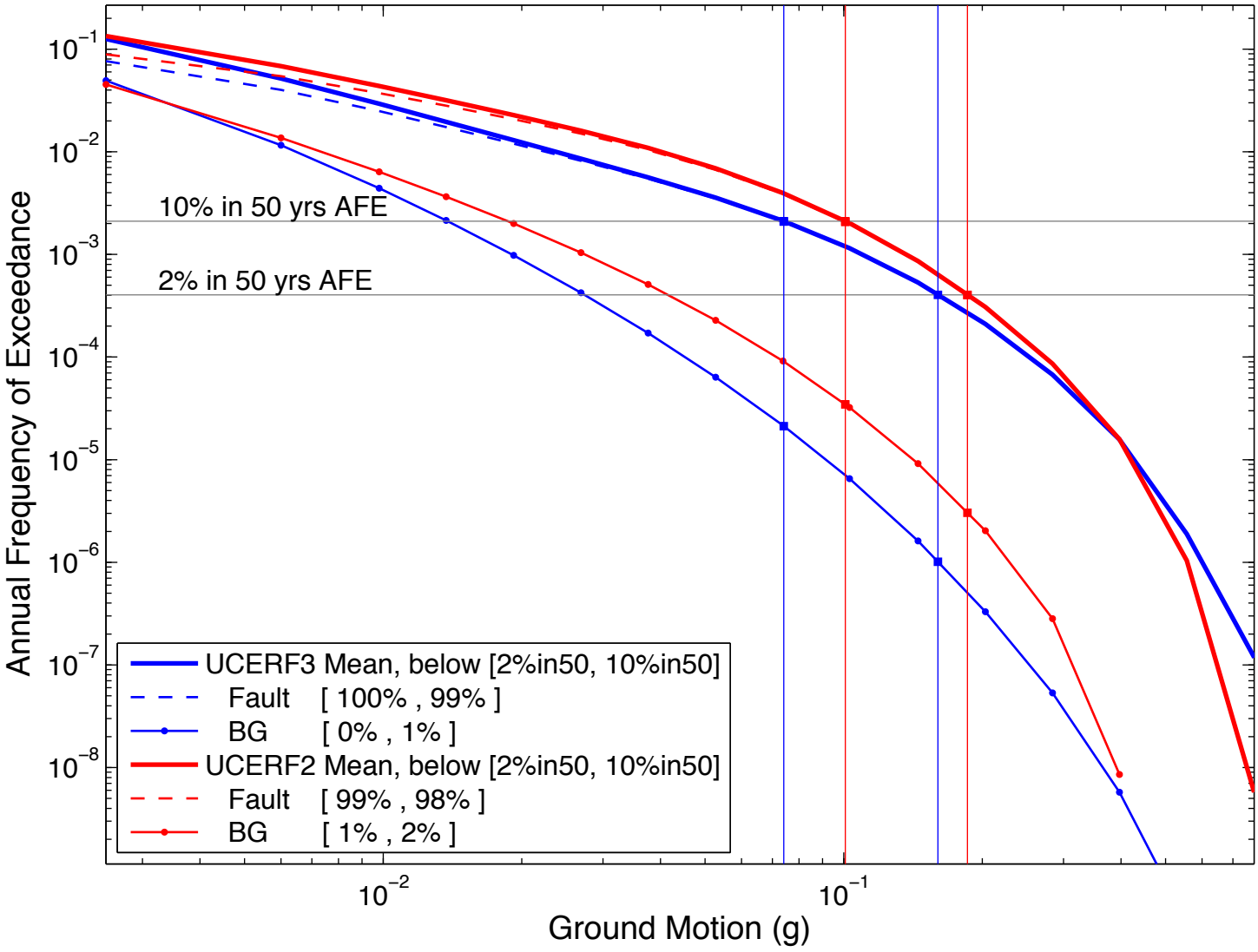
Eureka (40.80, –124.20) : 4Sec

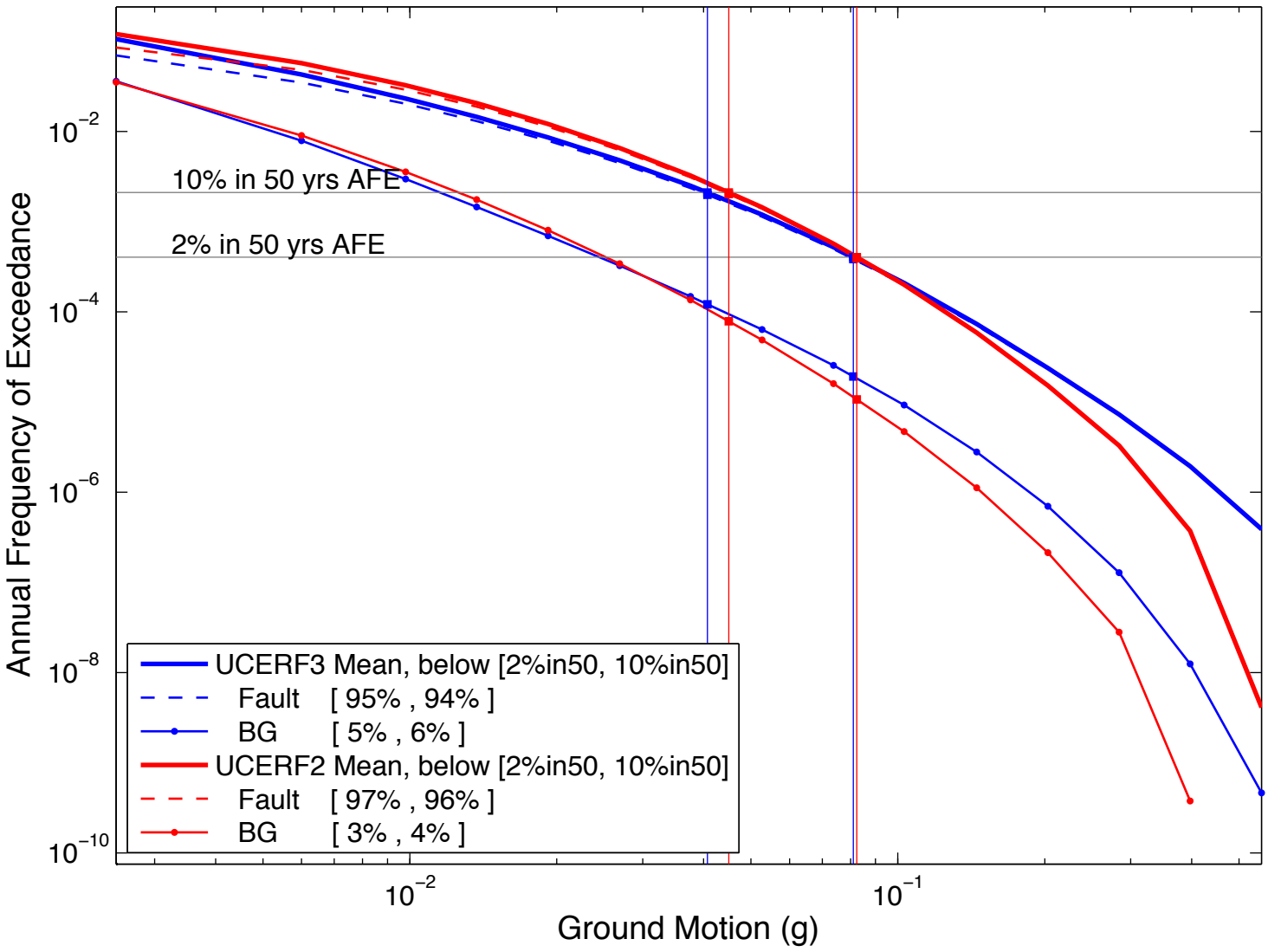


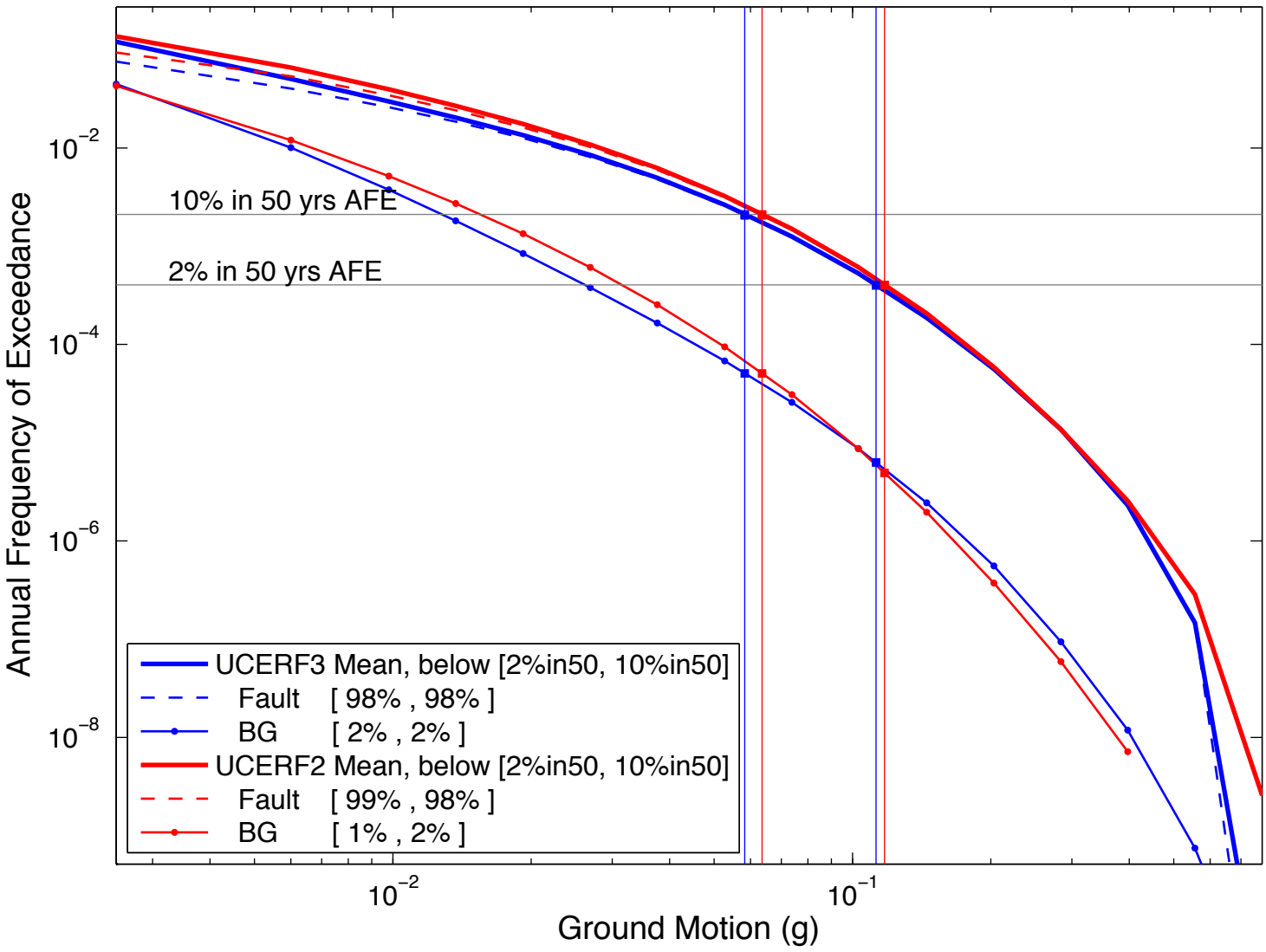

GLBT (33.96, –117.38) : 4Sec
Annual Frequency of Exceedance
Ground Motion (g)
10% in 50 yrs AFE
2% in 50 yrs AFE
UCERF3 Mean, below [2%in50, 10%in50]
Fault [98% , 96%]
BG [2% , 4%]
UCERF2 Mean, below [2%in50, 10%in50]
Fault [98% , 97%]
BG [2% , 3%]

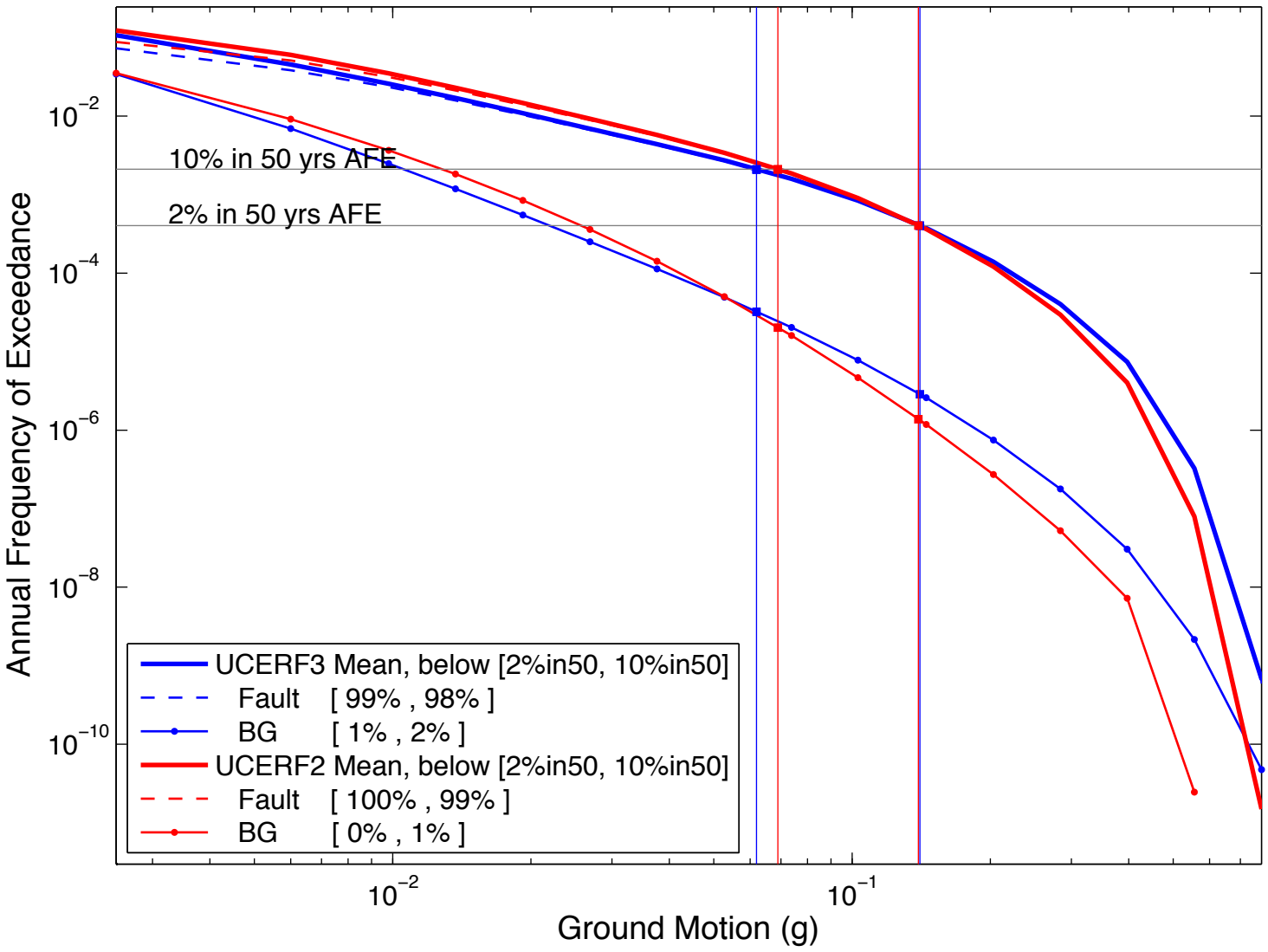

GOPH (33.90, −117.36) : 4Sec
Annual Frequency of Exceedance
Ground Motion (g)
10% in 50 yrs AFE
2% in 50 yrs AFE
UCERF3 Mean, below [2%in50, 10%in50]
Fault [97% , 96%]
BG [3% , 4%]
UCERF2 Mean, below [2%in50, 10%in50]
Fault [98% , 97%]
BG [2% , 3%]

GV03 (34.28, –117.23) : 4Sec

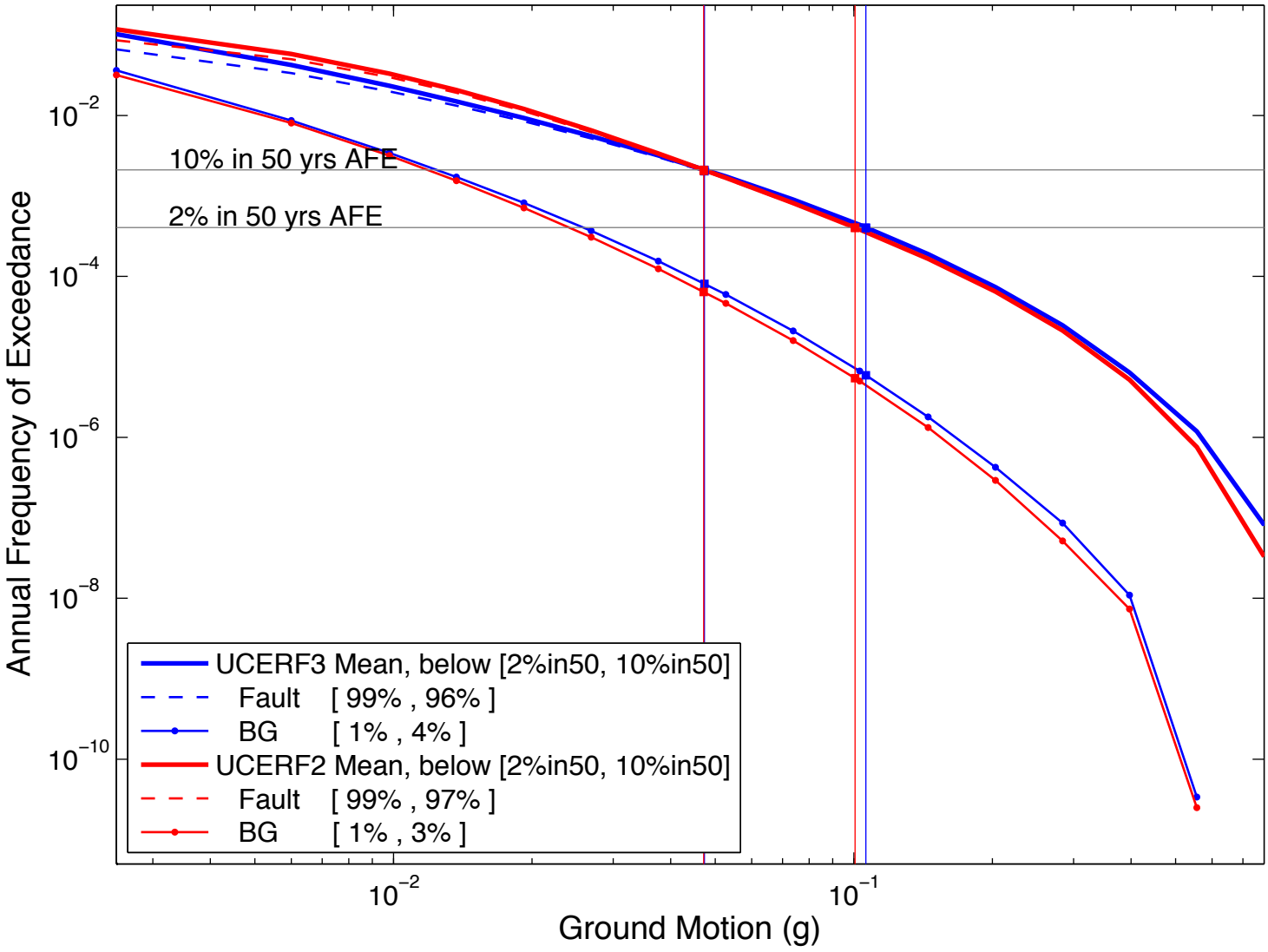


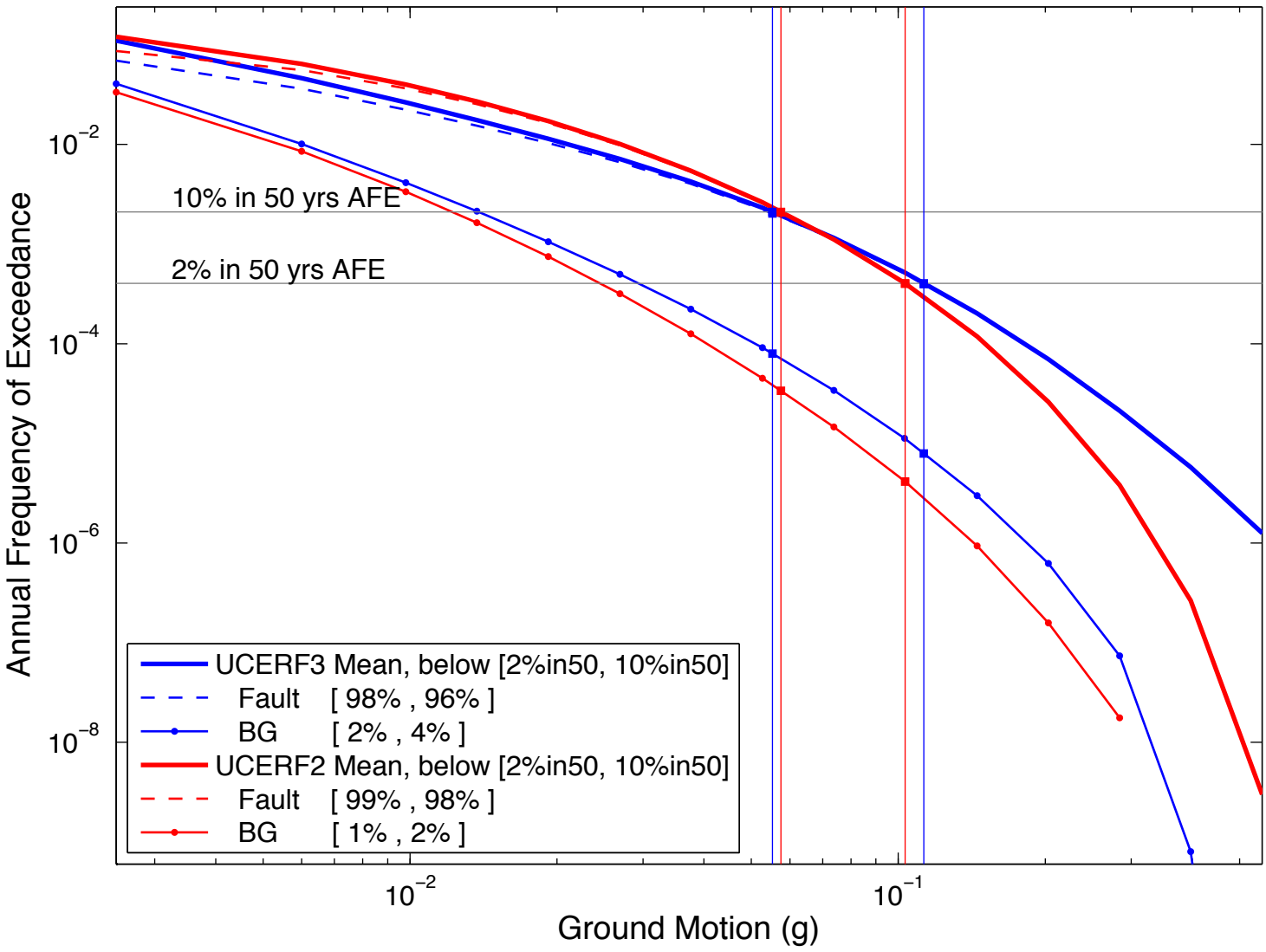

Irvine (33.65, –117.80) : 4Sec
Annual Frequency of Exceedance
Ground Motion (g)
10% in 50 yrs AFE
2% in 50 yrs AFE
UCERF3 Mean, below [2%in50, 10%in50]
Fault [95% , 94%]
BG [5% , 6%]
UCERF2 Mean, below [2%in50, 10%in50]
Fault [97% , 96%]
BG [3% , 4%]


LMAT (33.79, –117.40) : 4Sec
Annual Frequency of Exceedance
Ground Motion (g)
10% in 50 yrs AFE
2% in 50 yrs AFE
UCERF3 Mean, below [2%in50, 10%in50]
Fault [98% , 98%]
BG [2% , 2%]
UCERF2 Mean, below [2%in50, 10%in50]
Fault [99% , 98%]
BG [1% , 2%]

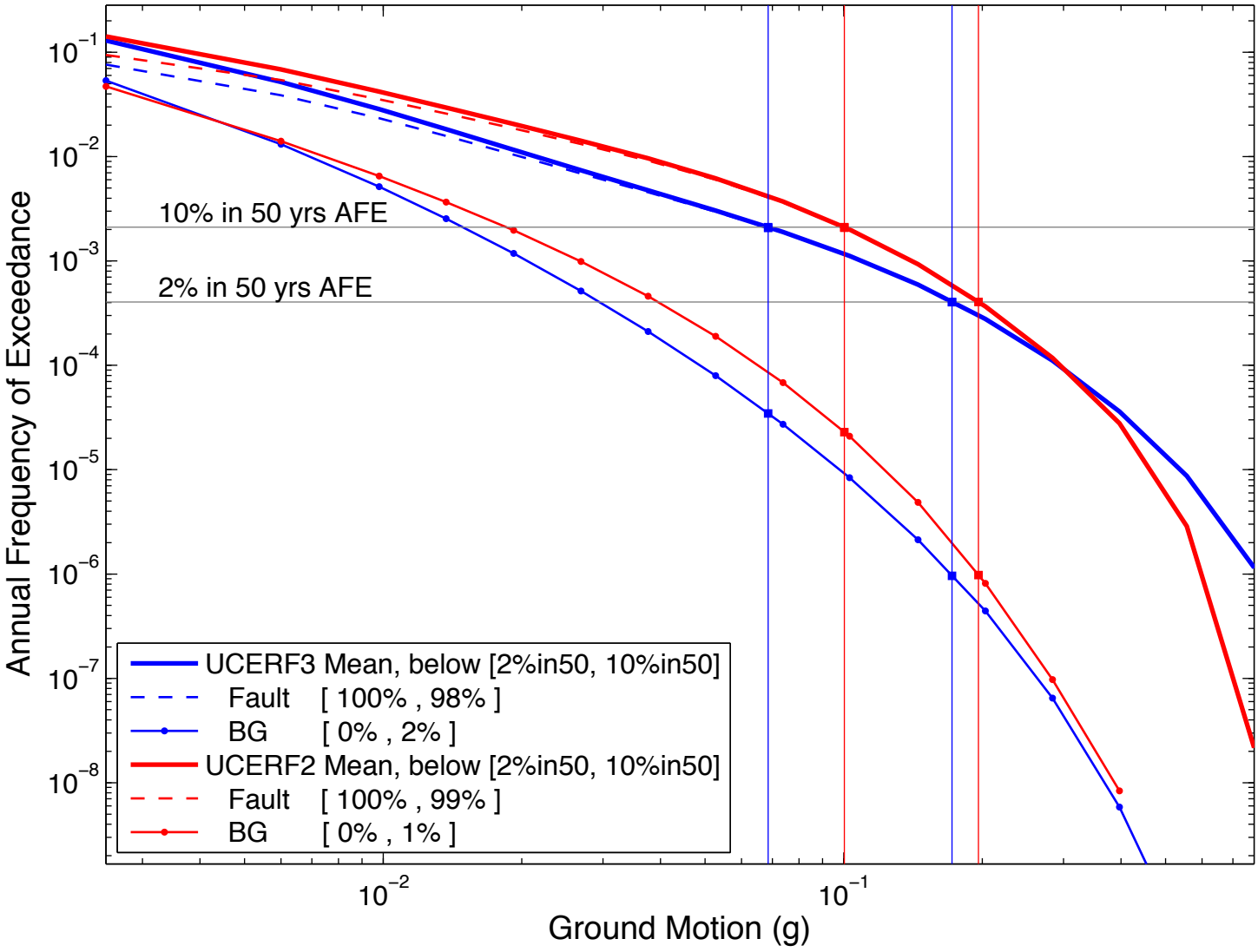

LBUT2 (34.59, –117.81) : 4Sec
Annual Frequency of Exceedance
Ground Motion (g)
10% in 50 yrs AFE
2% in 50 yrs AFE
UCERF3 Mean, below [2%in50, 10%in50]
Fault [99% , 98%]
BG [1% , 2%]
UCERF2 Mean, below [2%in50, 10%in50]
Fault [100% , 99%]
BG [0% , 1%]

Long Beach (33.80, −118.20) : 4Sec

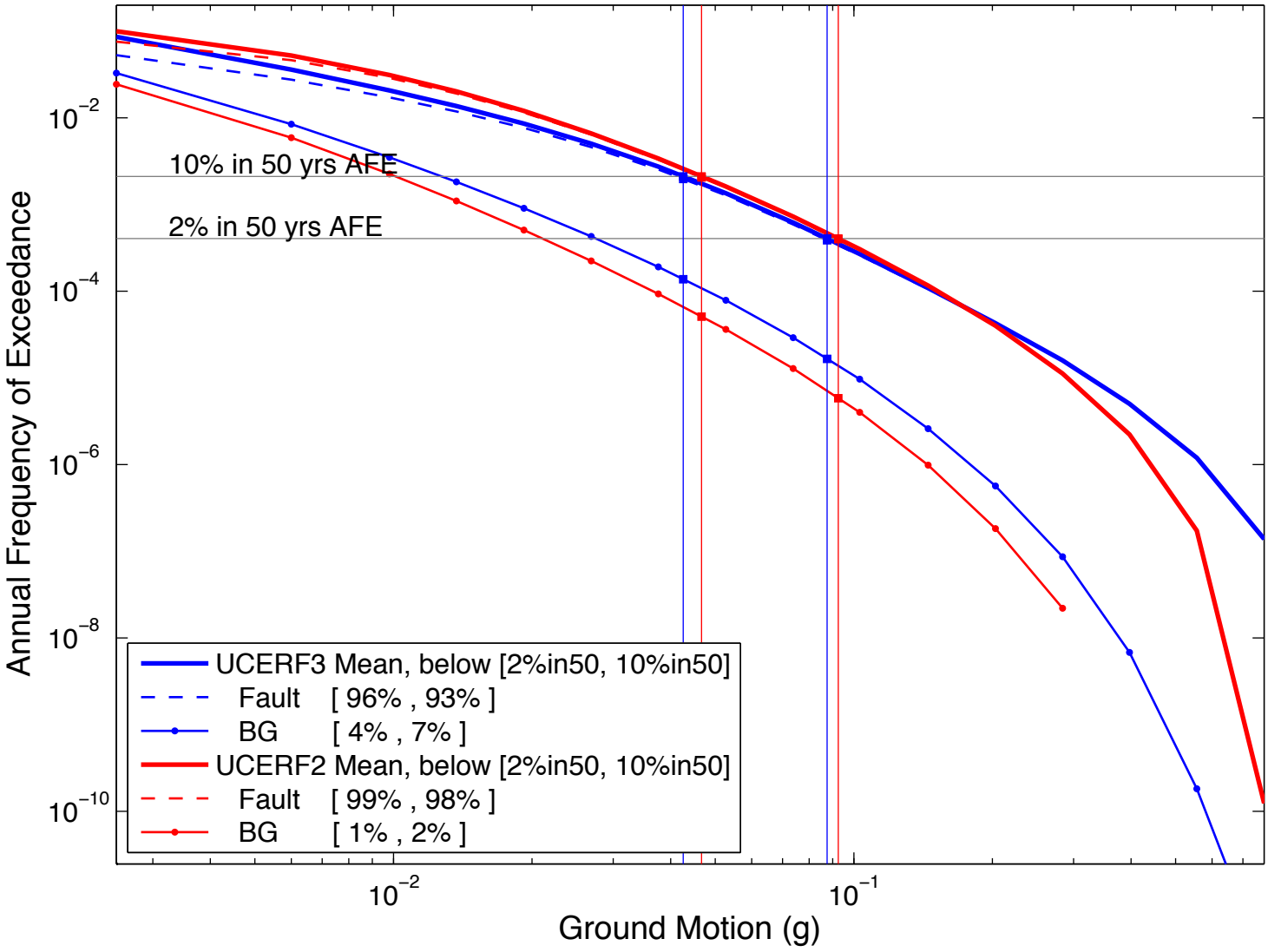



Los Angeles (34.05, –118.25) : 4Sec
Annual Frequency of Exceedance
Ground Motion (g)
10% in 50 yrs AFE
2% in 50 yrs AFE
UCERF3 Mean, below [2%in50, 10%in50]
Fault [98% , 96%]
BG [2% , 4%]
UCERF2 Mean, below [2%in50, 10%in50]
Fault [99% , 98%]
BG [1% , 2%]

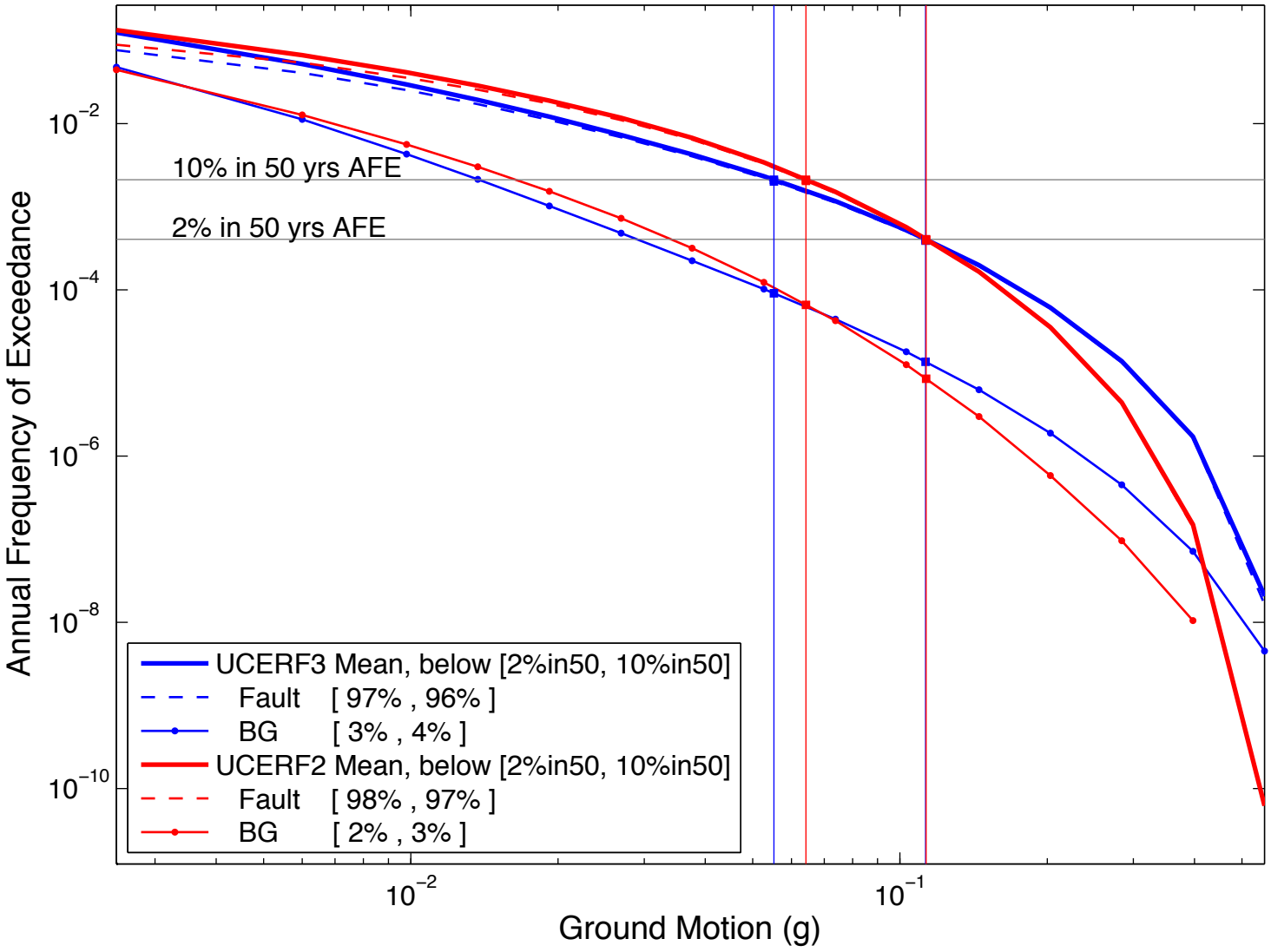
LPER (33.89, –117.16) : 4Sec



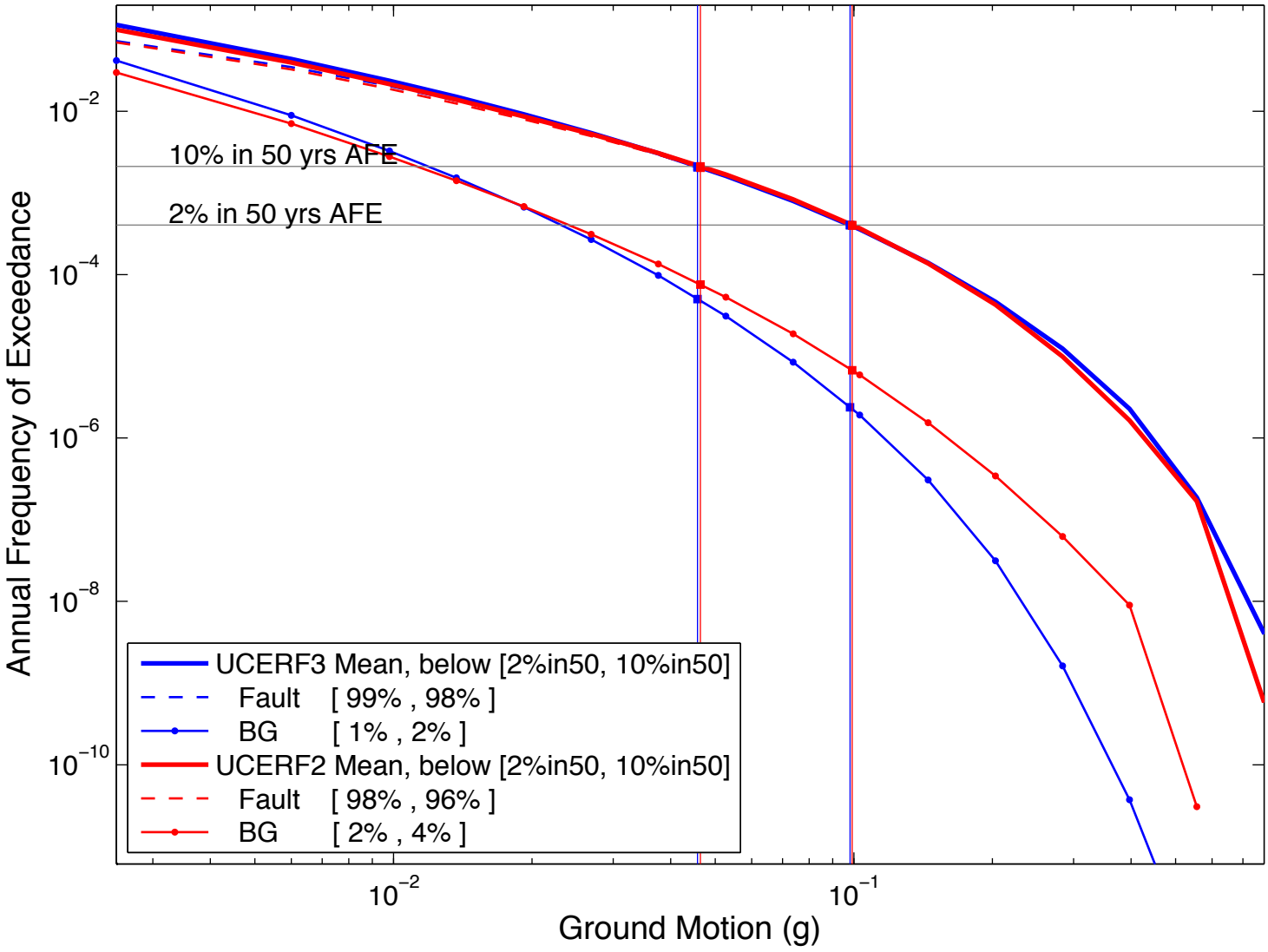
Malibu West (34.05, −118.95) : 4Sec



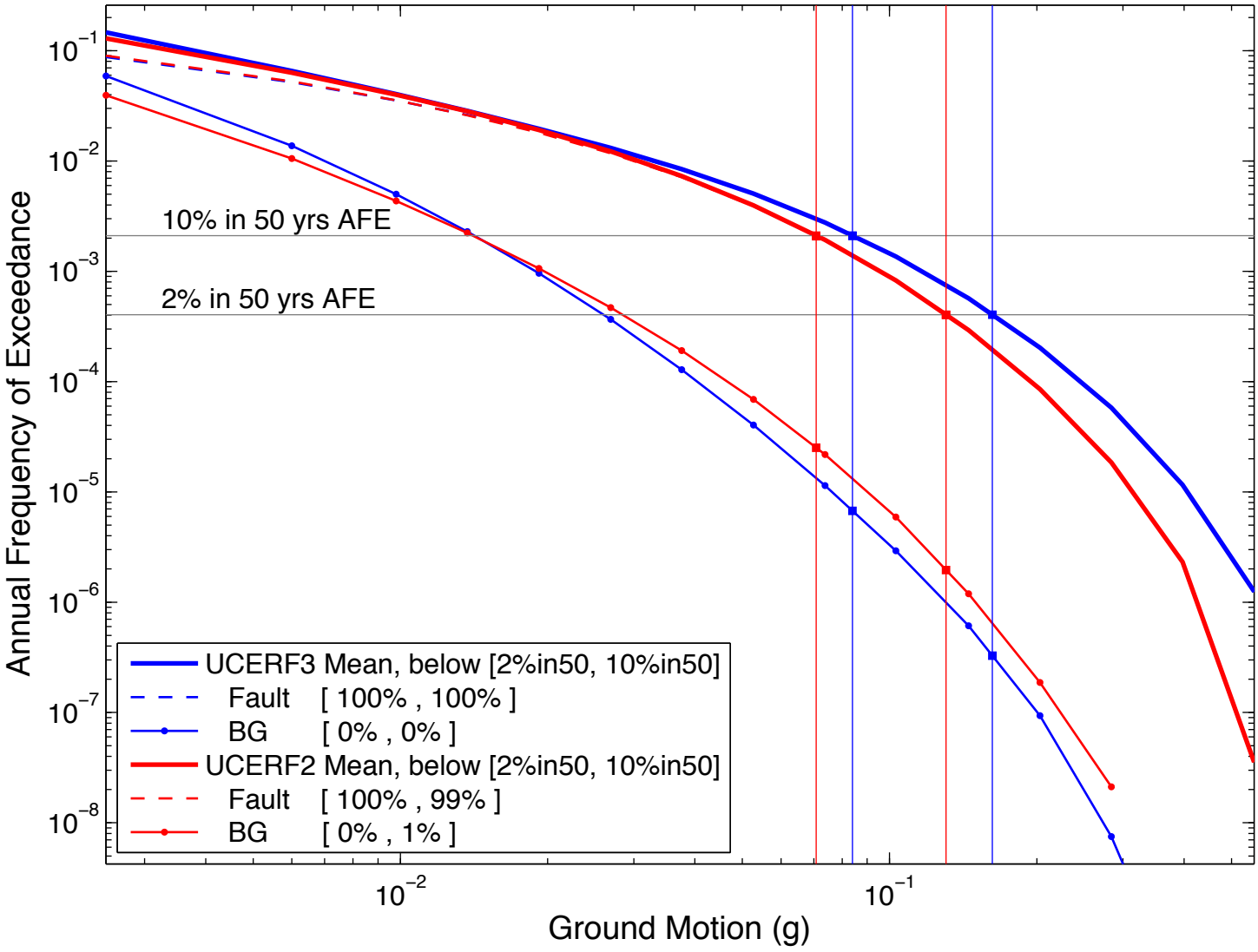
MKBD (33.88, −117.39) : 4Sec



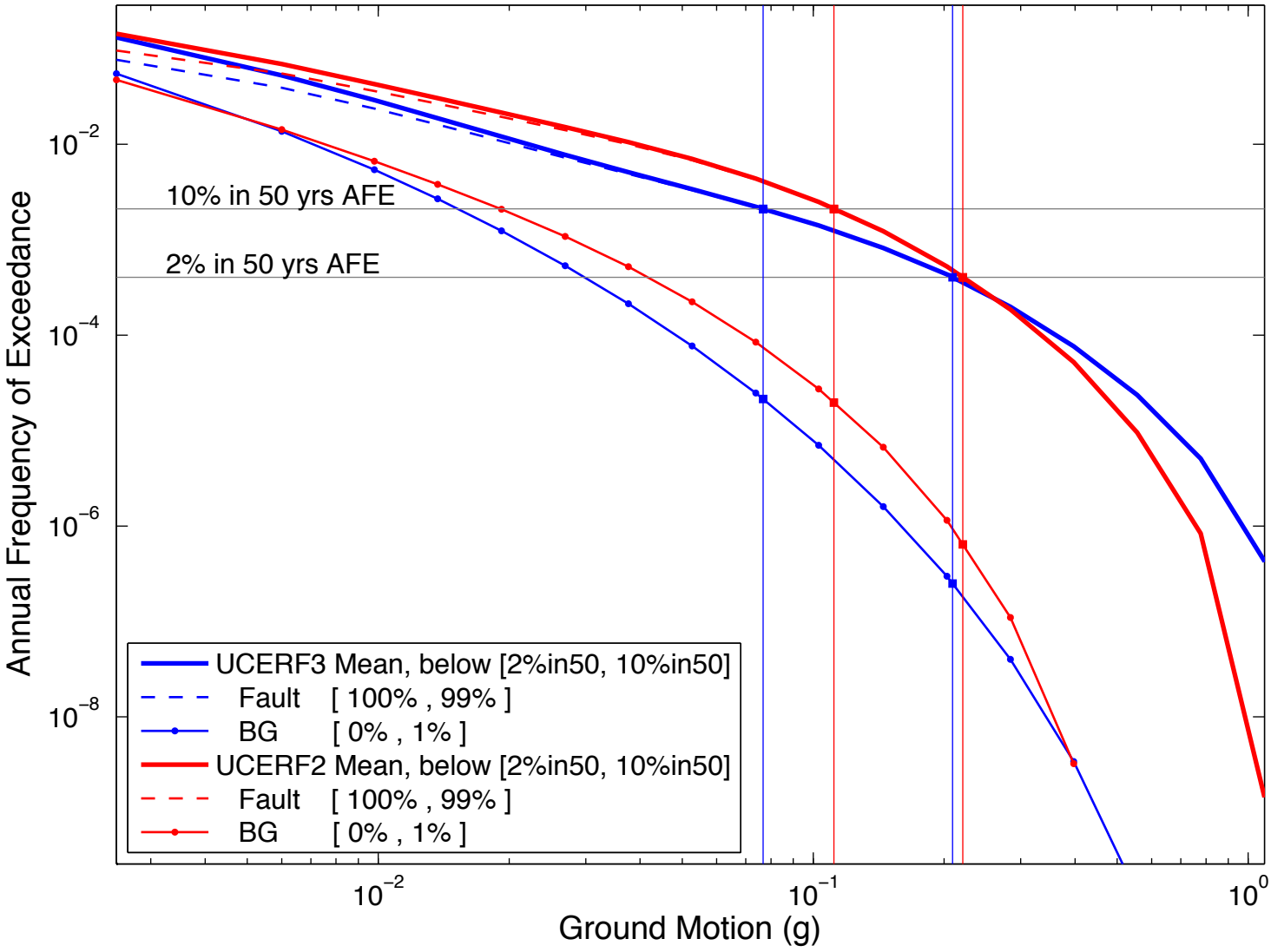
Monterey (36.60, −121.90) : 4Sec



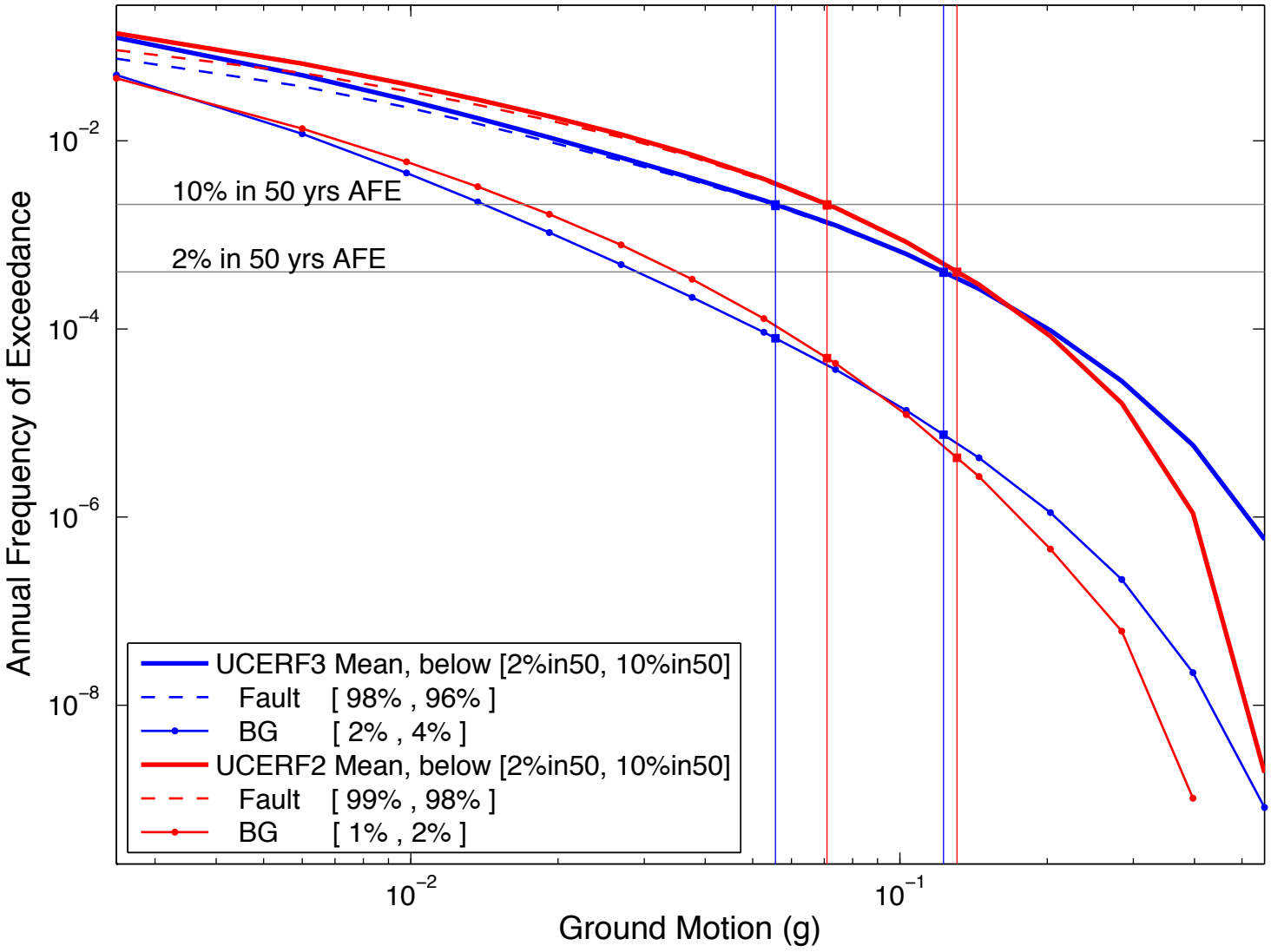
Morgan Hill (37.15, –121.65) : 4Sec



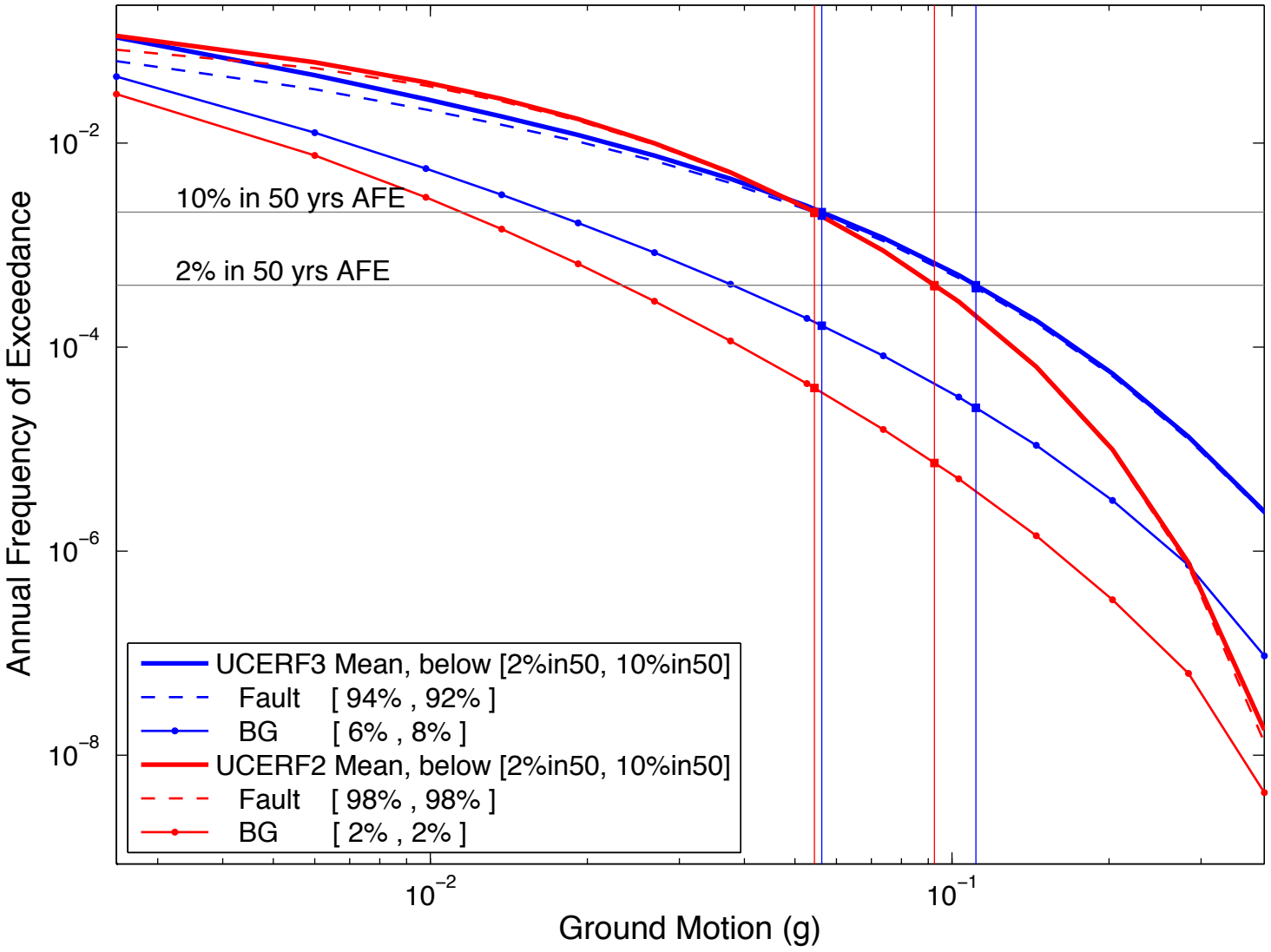
MRVY (33.93, −117.17) : 4Sec

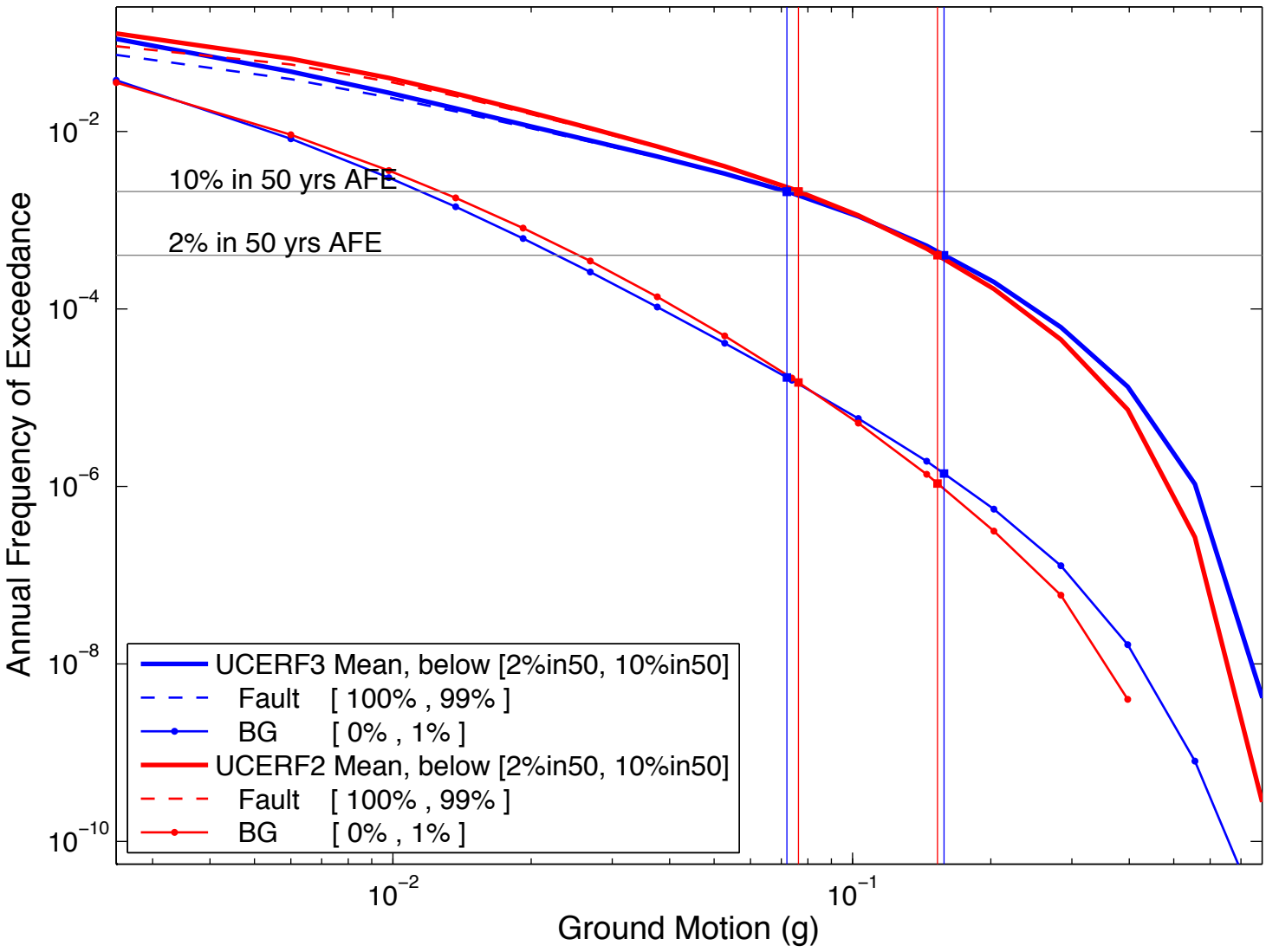


NUEVO (33.78, −117.15) : 4Sec

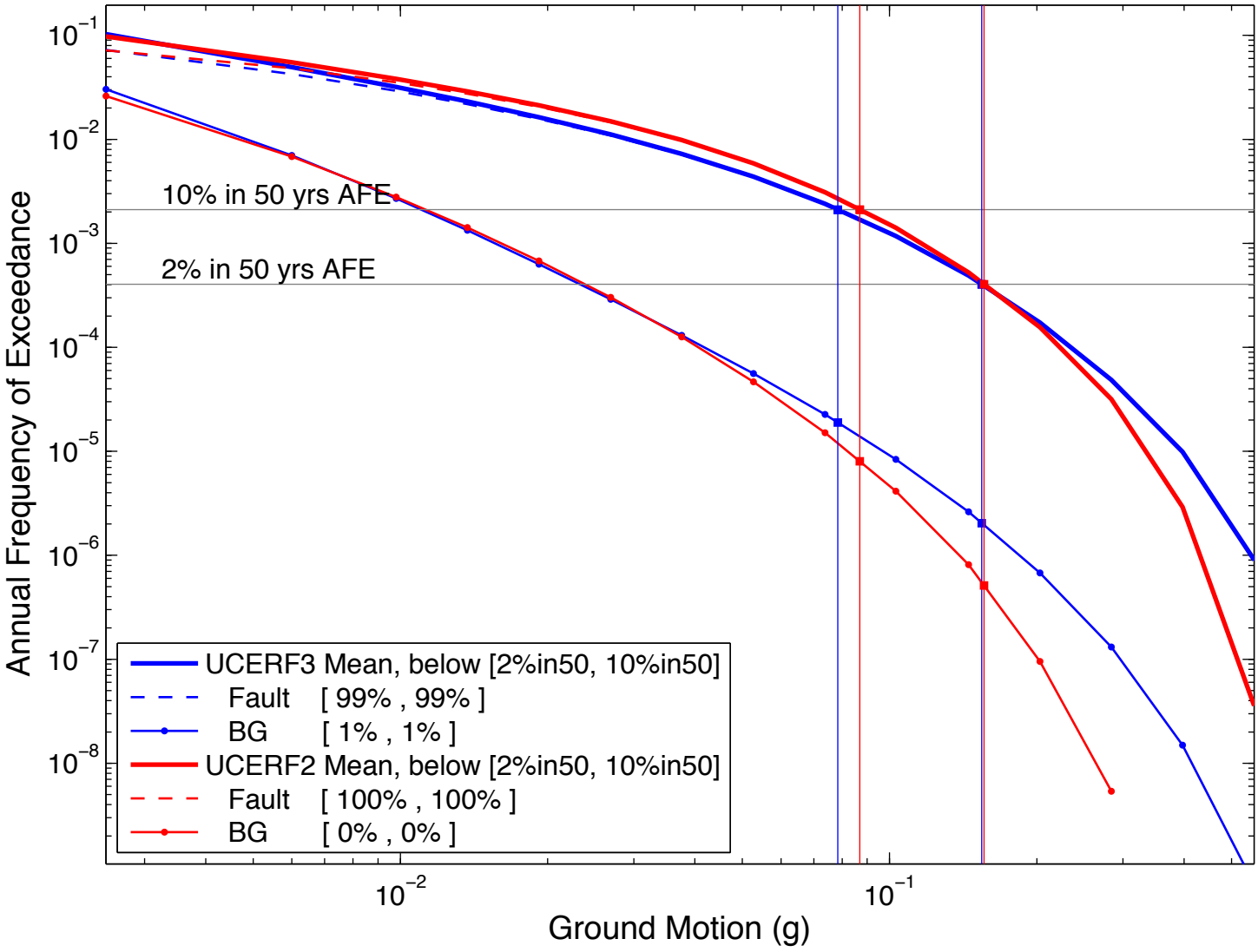


Northridge (34.20, −118.55) : 4Sec

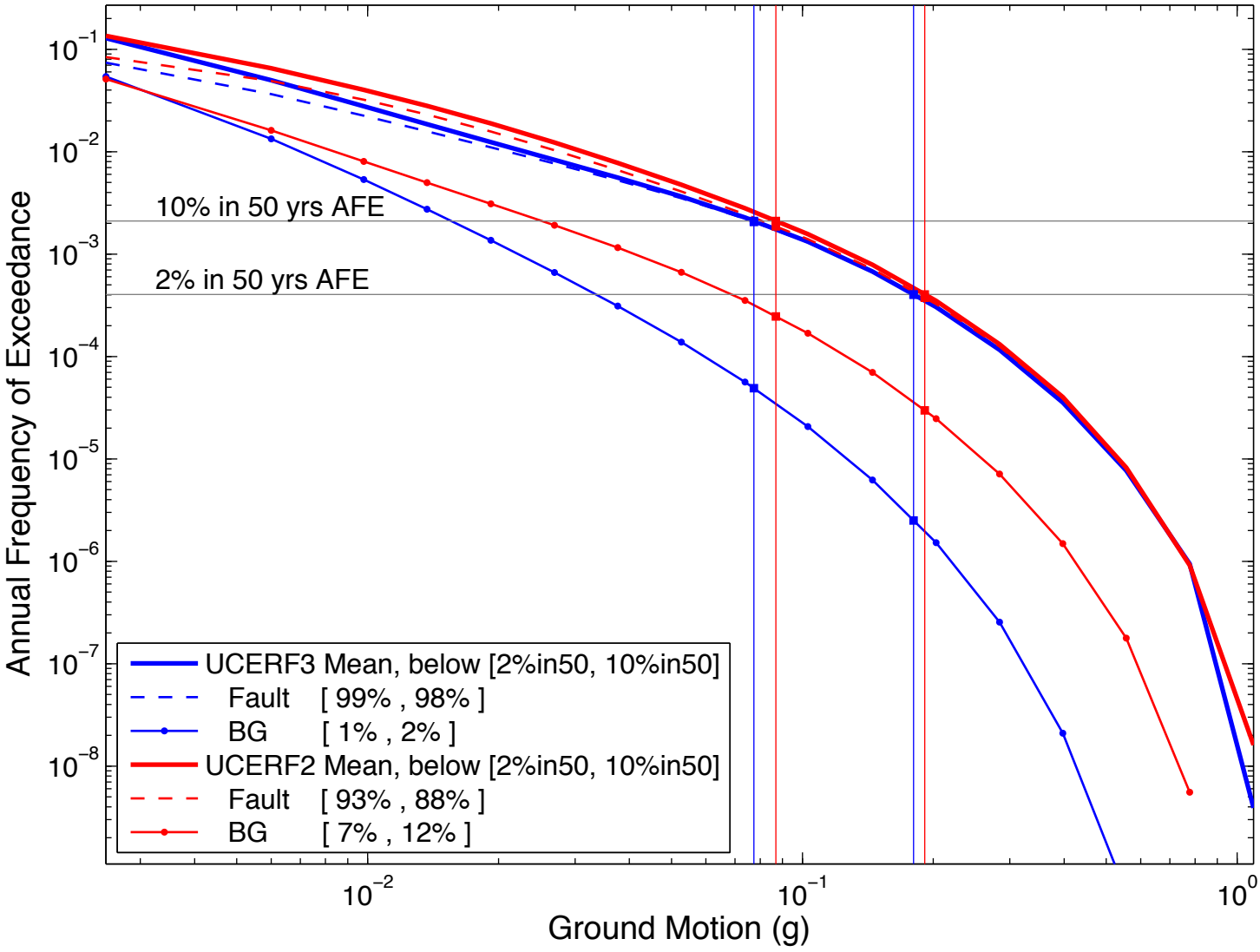



PACI2 (34.39, −118.05) : 4Sec
Annual Frequency of Exceedance
Ground Motion (g)
10% in 50 yrs AFE
2% in 50 yrs AFE
UCERF3 Mean, below [2%in50, 10%in50]
Fault [100% , 99%]
BG [0% , 1%]
UCERF2 Mean, below [2%in50, 10%in50]
Fault [100% , 99%]
BG [0% , 1%]

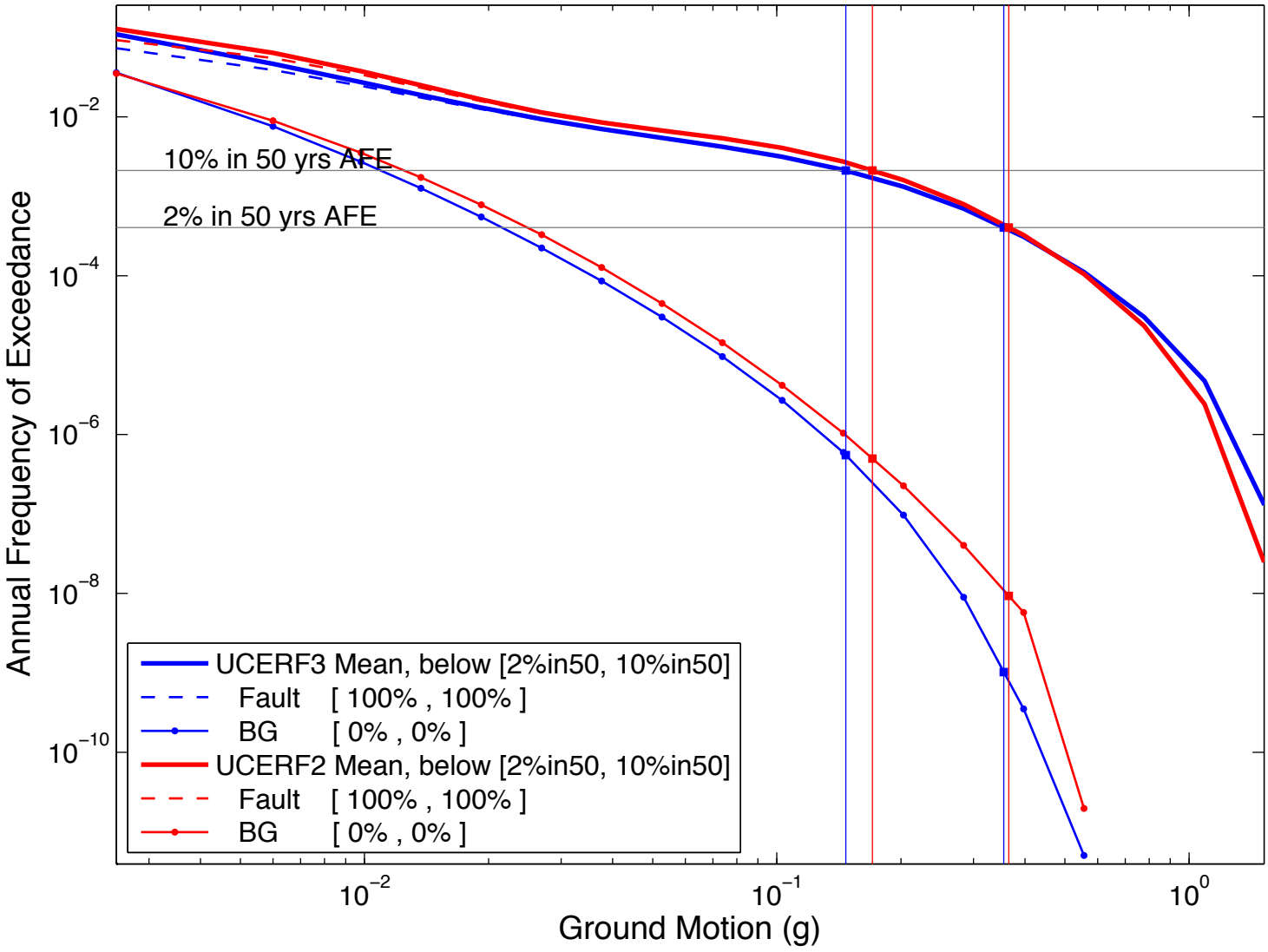
Oakland (37.80, −122.25) : 4Sec

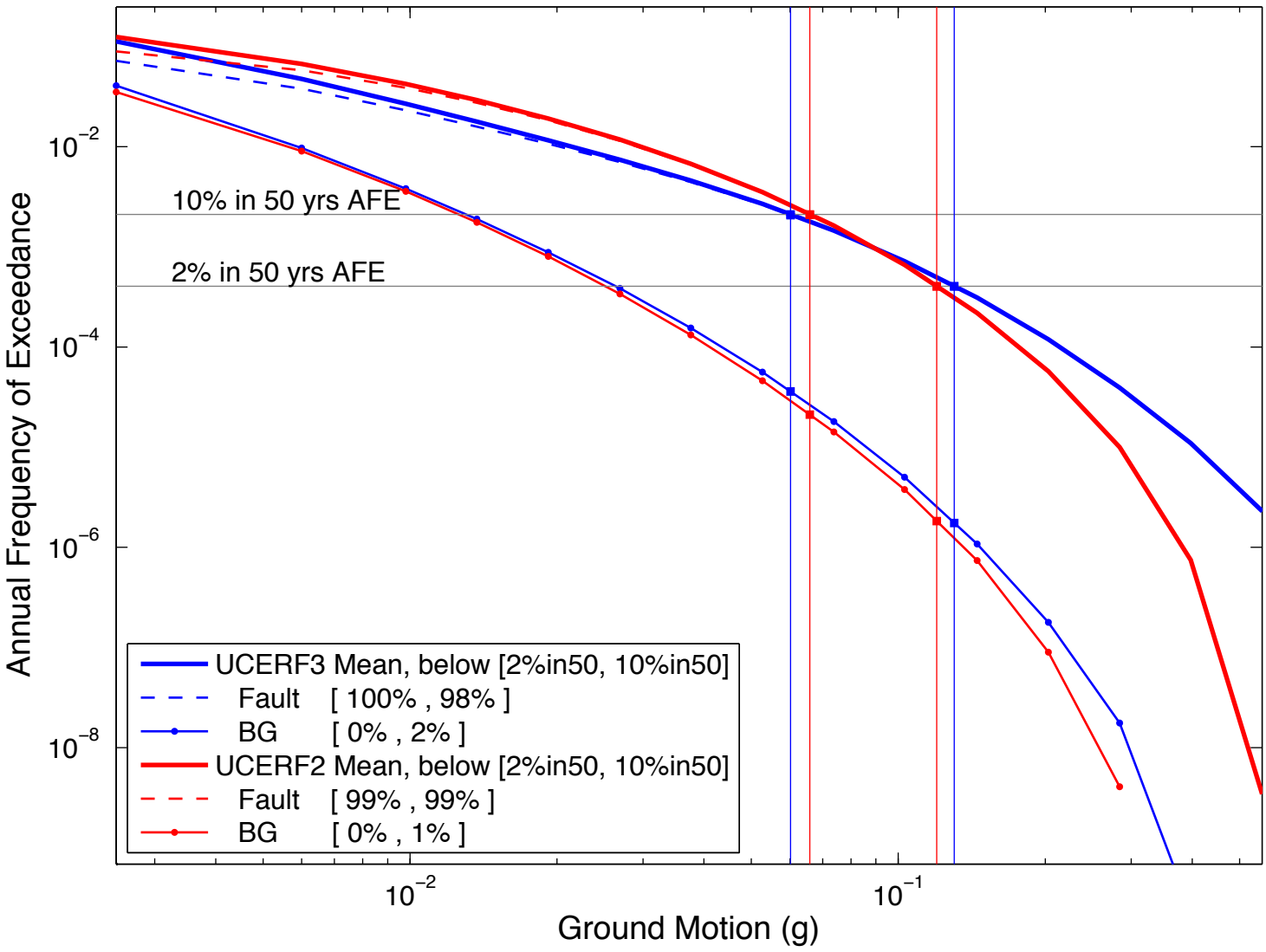


Palm Springs (33.85, −116.55) : 4Sec

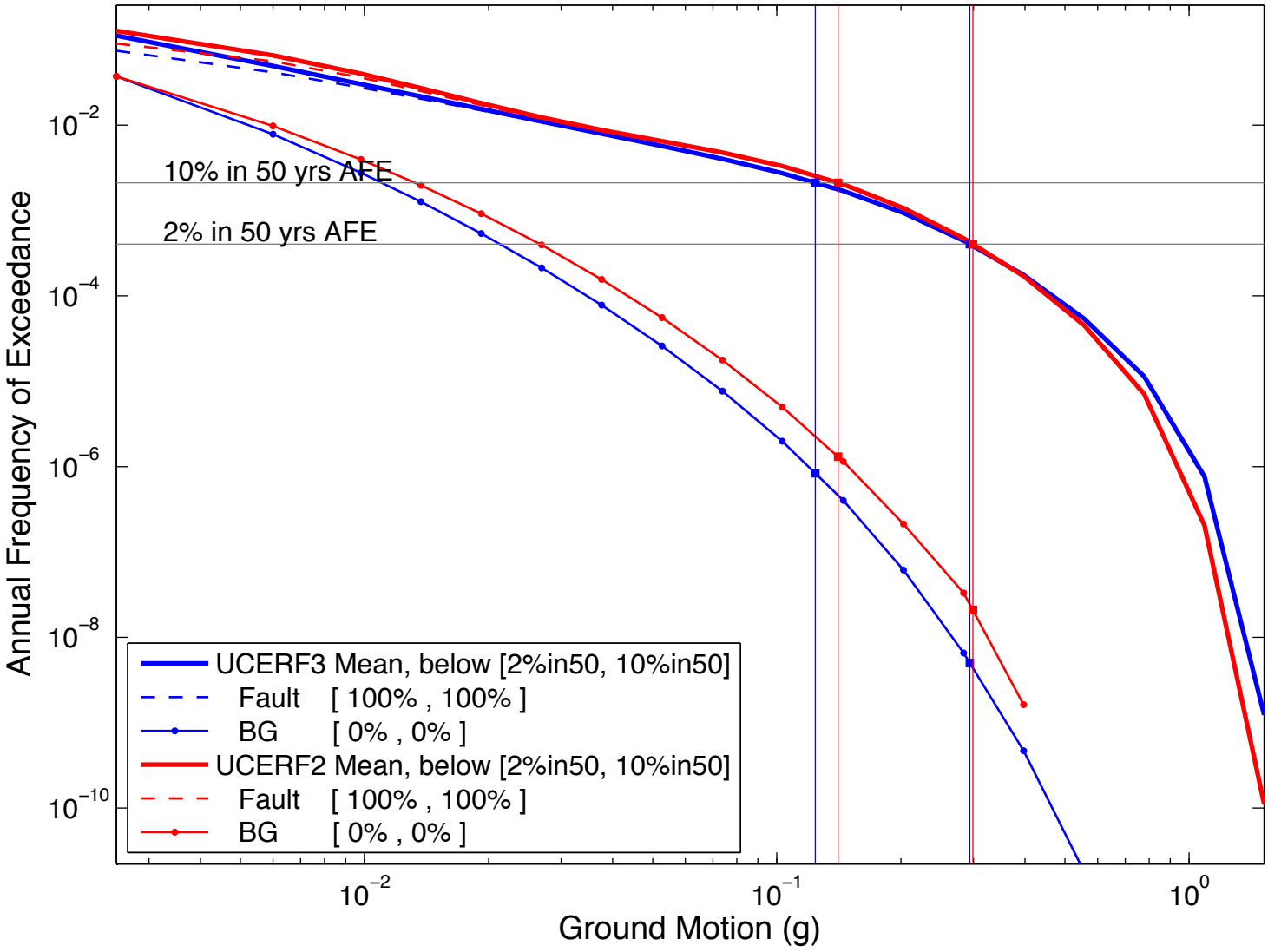


Palmdale (34.50, −118.00) : 4Sec

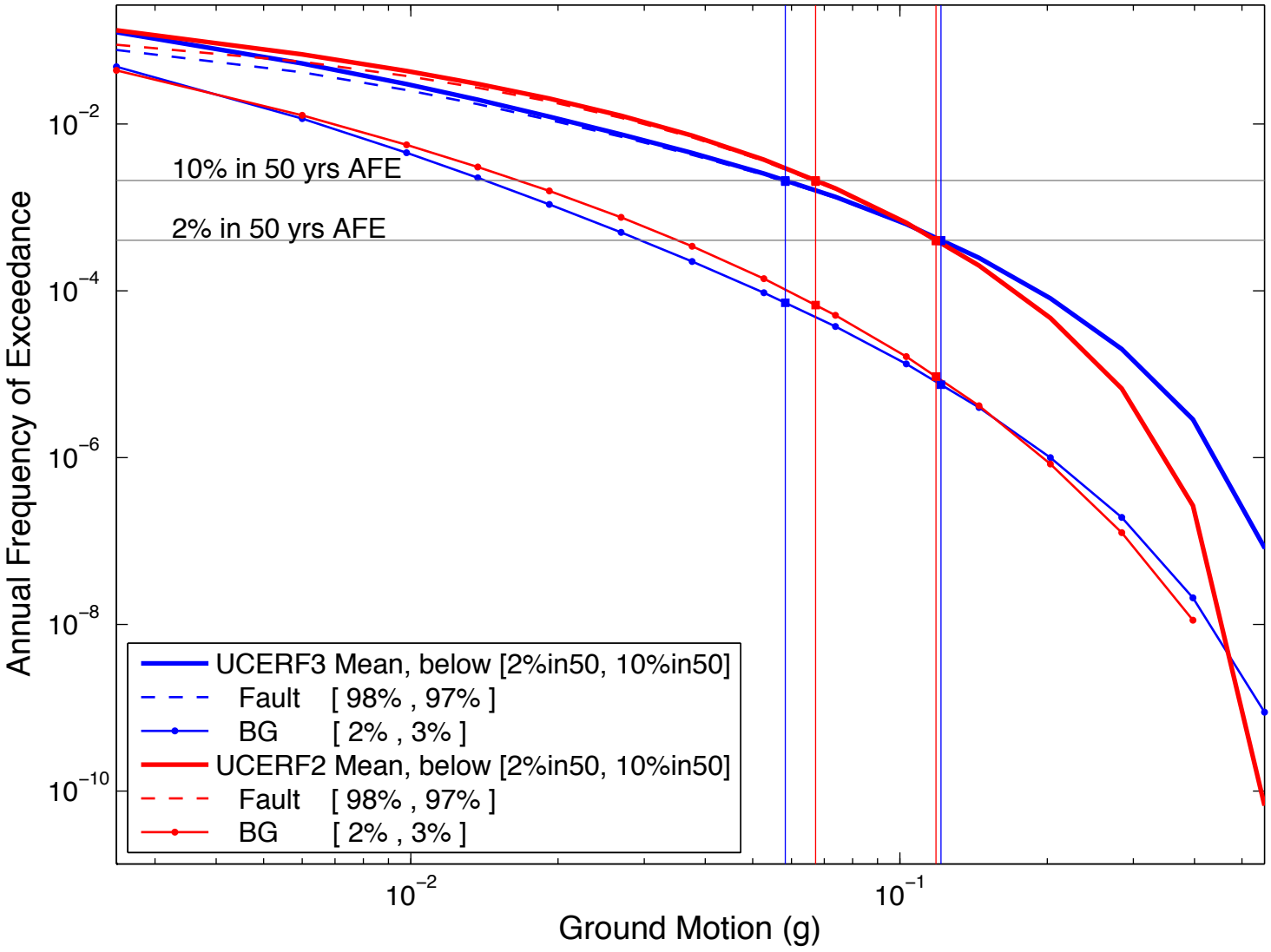


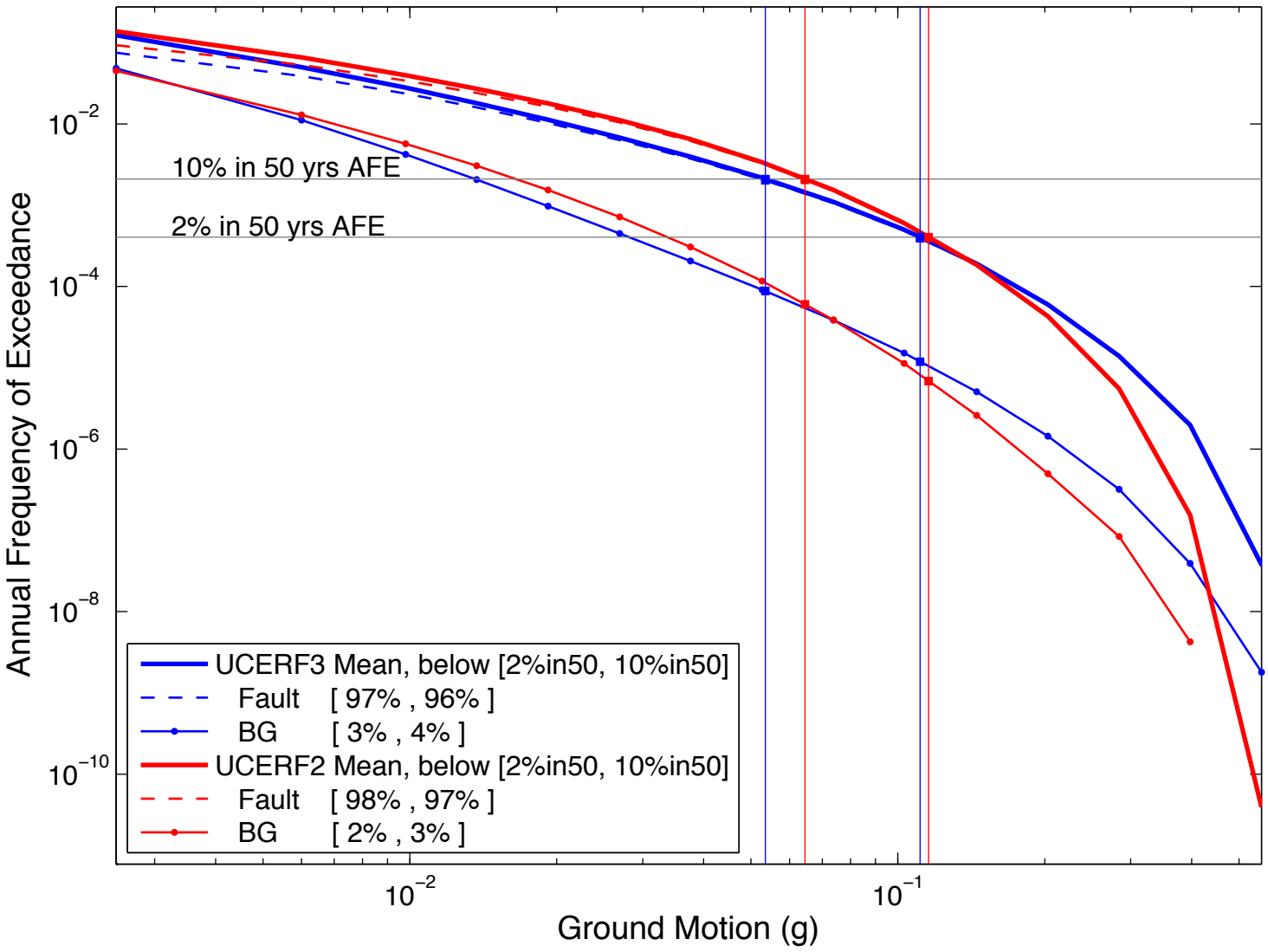

Pasadena (34.15, −118.15) : 4Sec
Annual Frequency of Exceedance
Ground Motion (g)
10% in 50 yrs AFE
2% in 50 yrs AFE
UCERF3 Mean, below [2%in50, 10%in50]
Fault [100% , 98%]
BG [0% , 2%]
UCERF2 Mean, below [2%in50, 10%in50]
Fault [99% , 99%]
BG [0% , 1%]

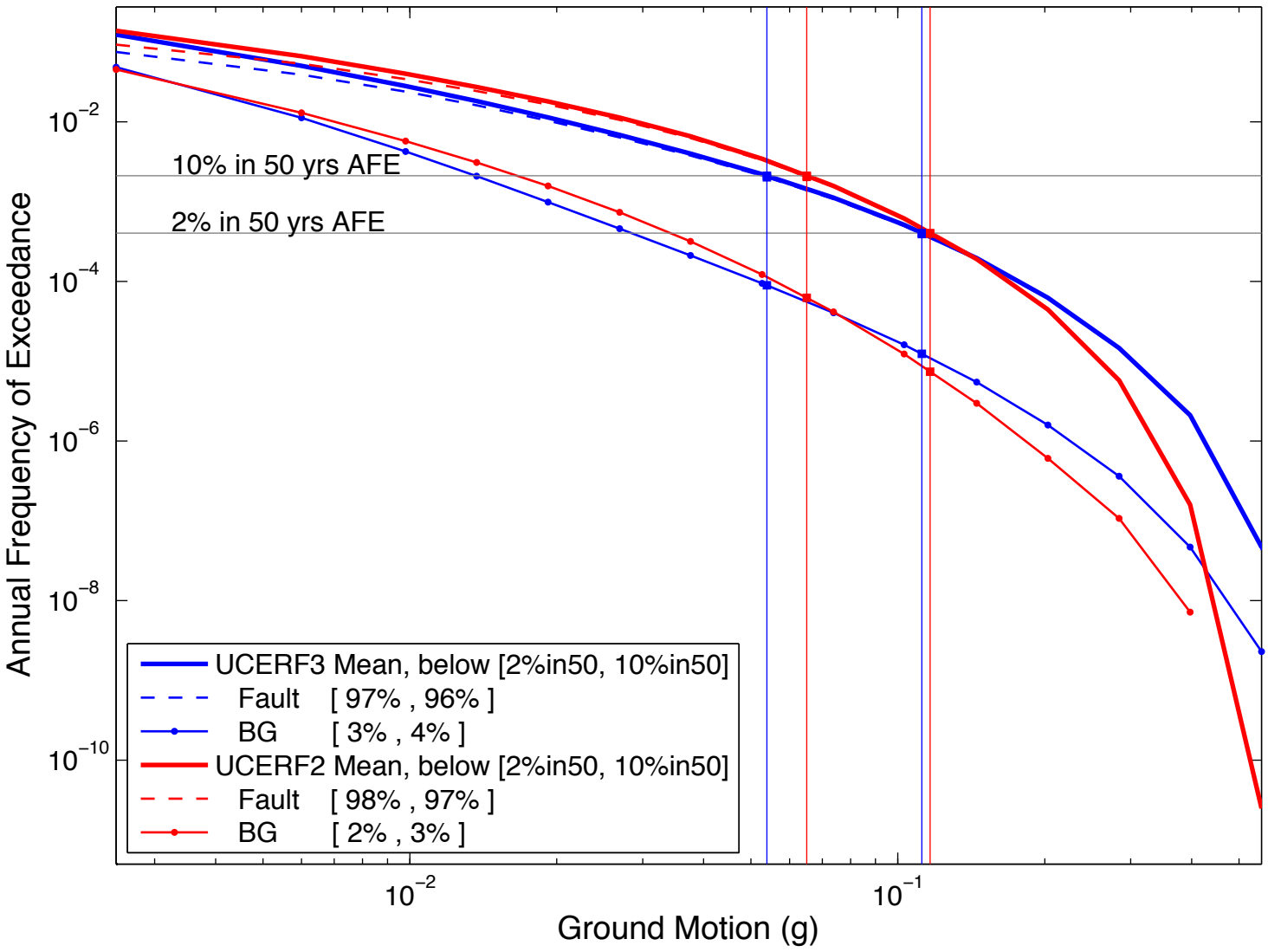
PBWL (34.41, −117.86) : 4Sec



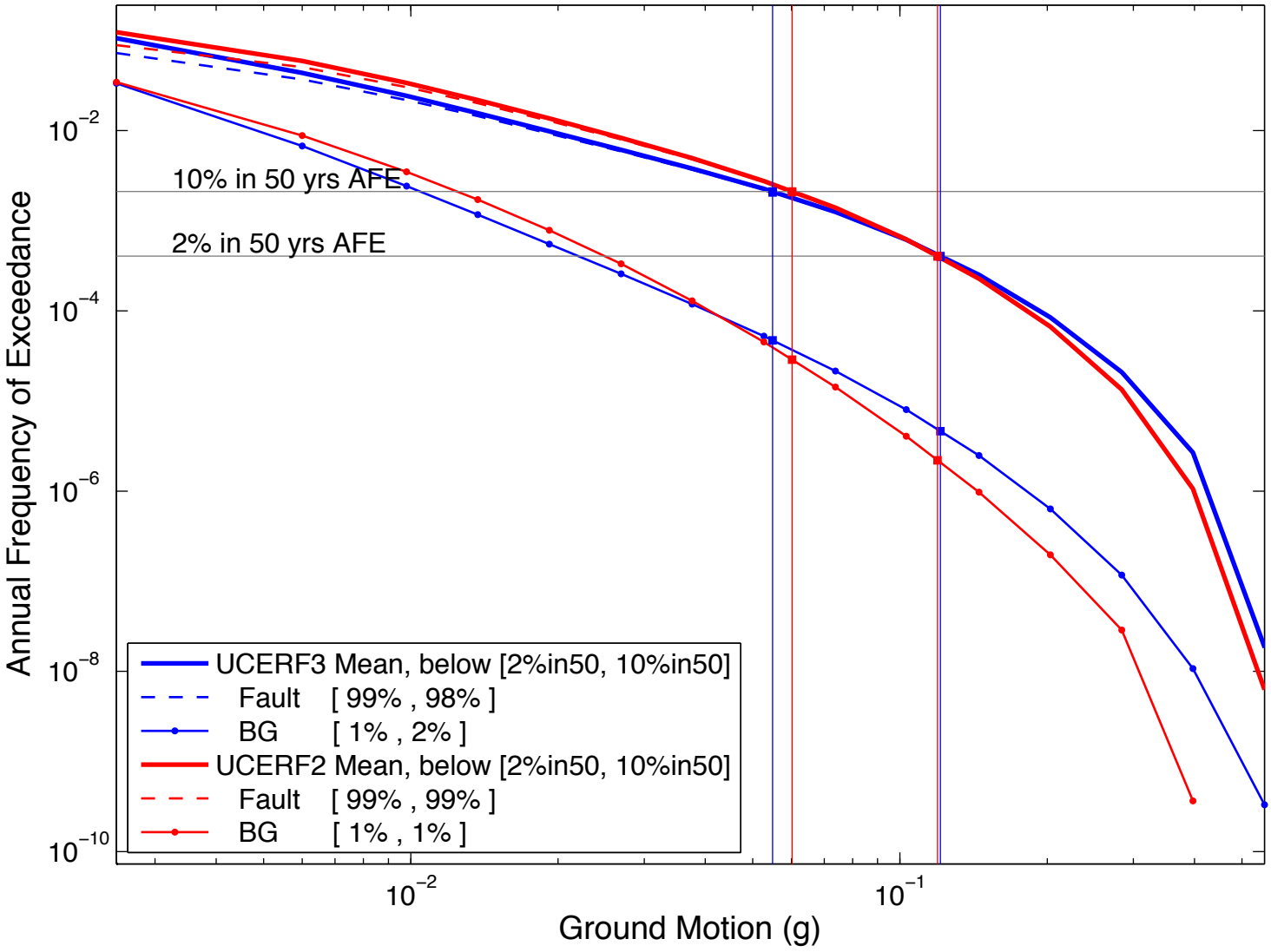
PEDLEY1 (33.99, –117.46) : 4Sec

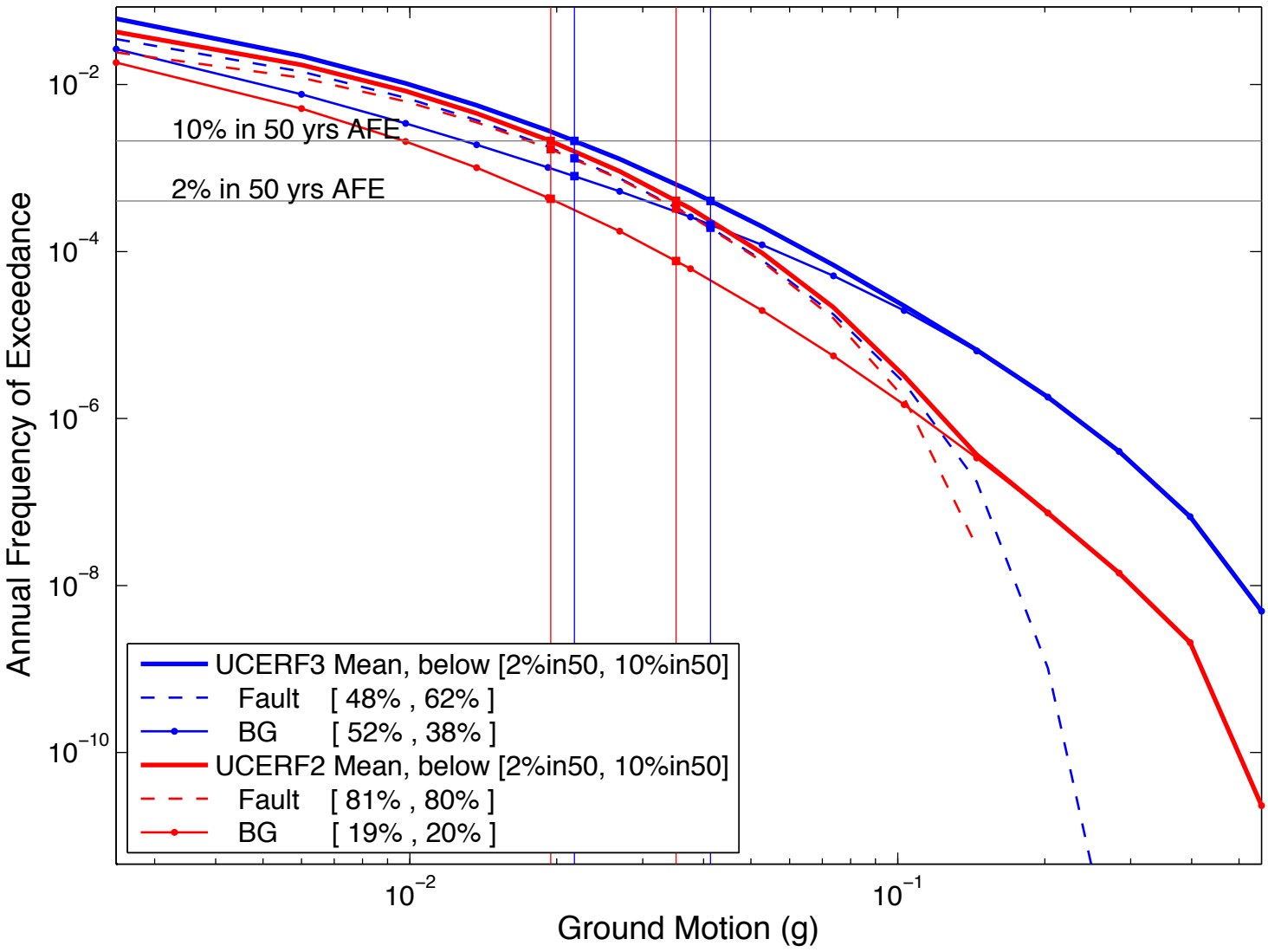



PERR2 (33.79, –117.24) : 4Sec
Annual Frequency of Exceedance
Ground Motion (g)
10% in 50 yrs AFE
2% in 50 yrs AFE
UCERF3 Mean, below [2%in50, 10%in50]
Fault [97% , 96%]
BG [3% , 4%]
UCERF2 Mean, below [2%in50, 10%in50]
Fault [98% , 97%]
BG [2% , 3%]

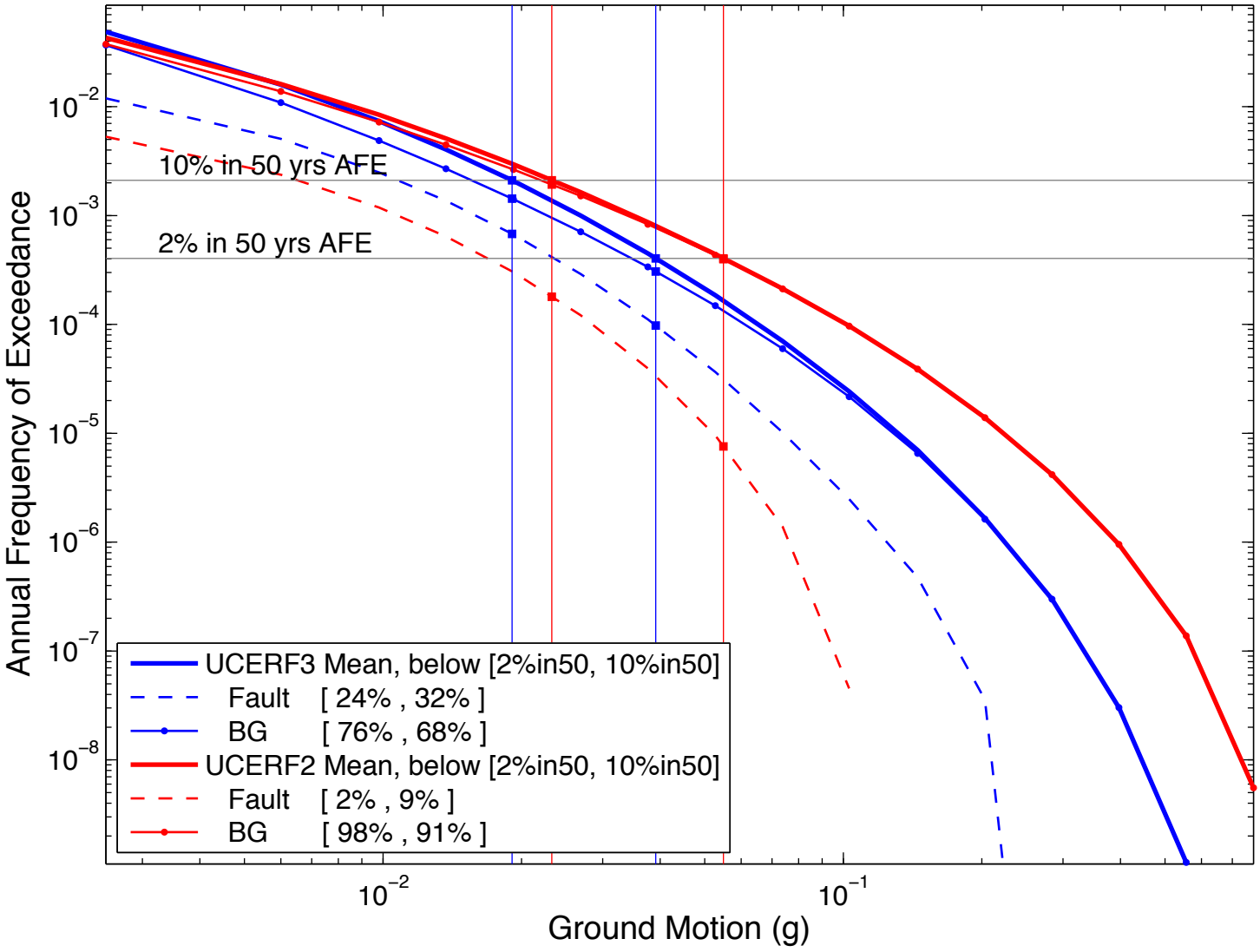

PERRM (33.80, −117.25) : 4Sec
Annual Frequency of Exceedance
Ground Motion (g)
10% in 50 yrs AFE
2% in 50 yrs AFE
UCERF3 Mean, below [2%in50, 10%in50]
Fault [97% , 96%]
BG [3% , 4%]
UCERF2 Mean, below [2%in50, 10%in50]
Fault [98% , 97%]
BG [2% , 3%]

PIBU (34.65, −117.85) : 4Sec

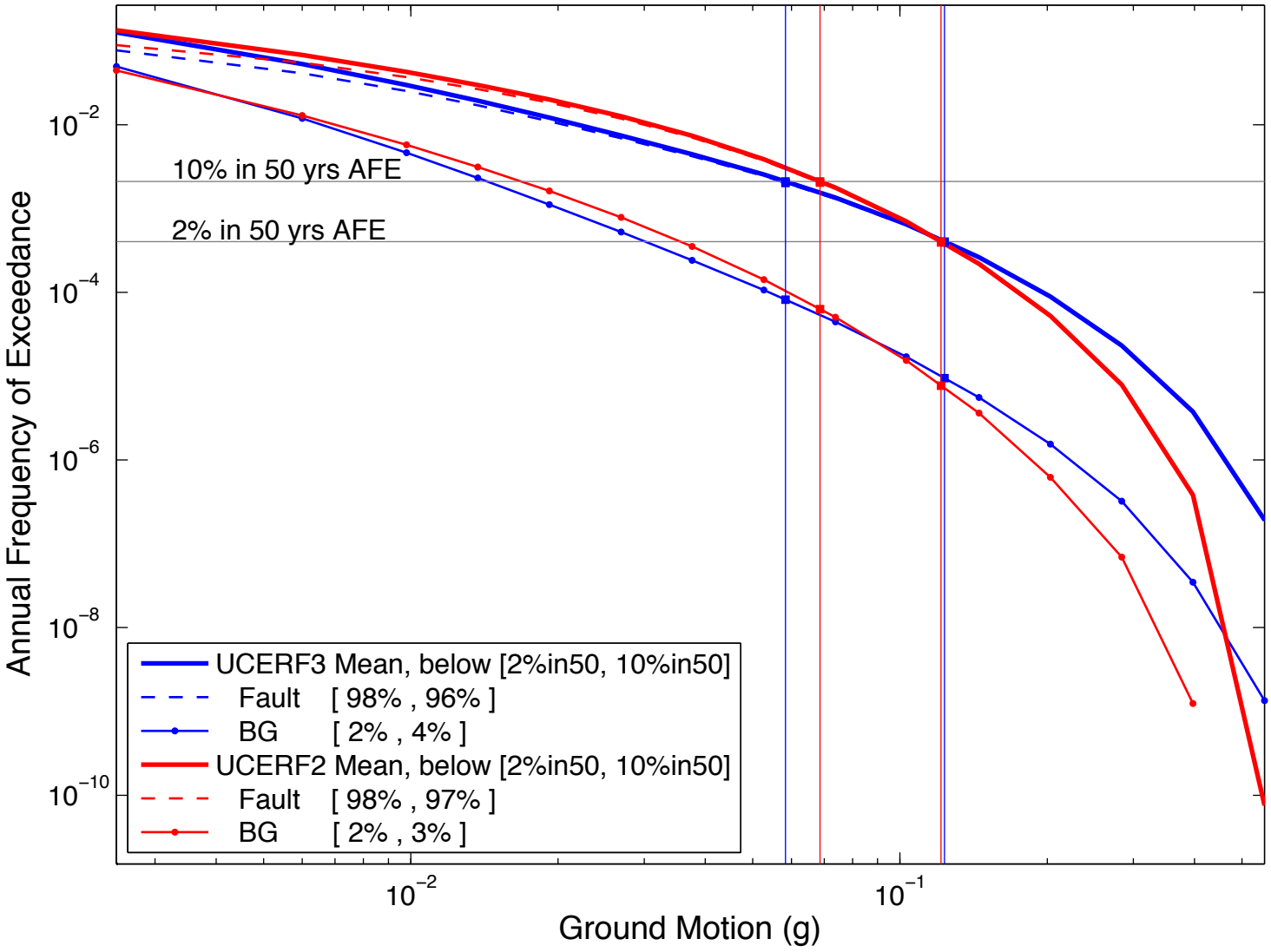



Redding (40.60, –122.40) : 4Sec
Annual Frequency of Exceedance
Ground Motion (g)
10% in 50 yrs AFE
2% in 50 yrs AFE
UCERF3 Mean, below [2%in50, 10%in50]
Fault [48% , 62%]
BG [52% , 38%]
UCERF2 Mean, below [2%in50, 10%in50]
Fault [81% , 80%]
BG [19% , 20%]

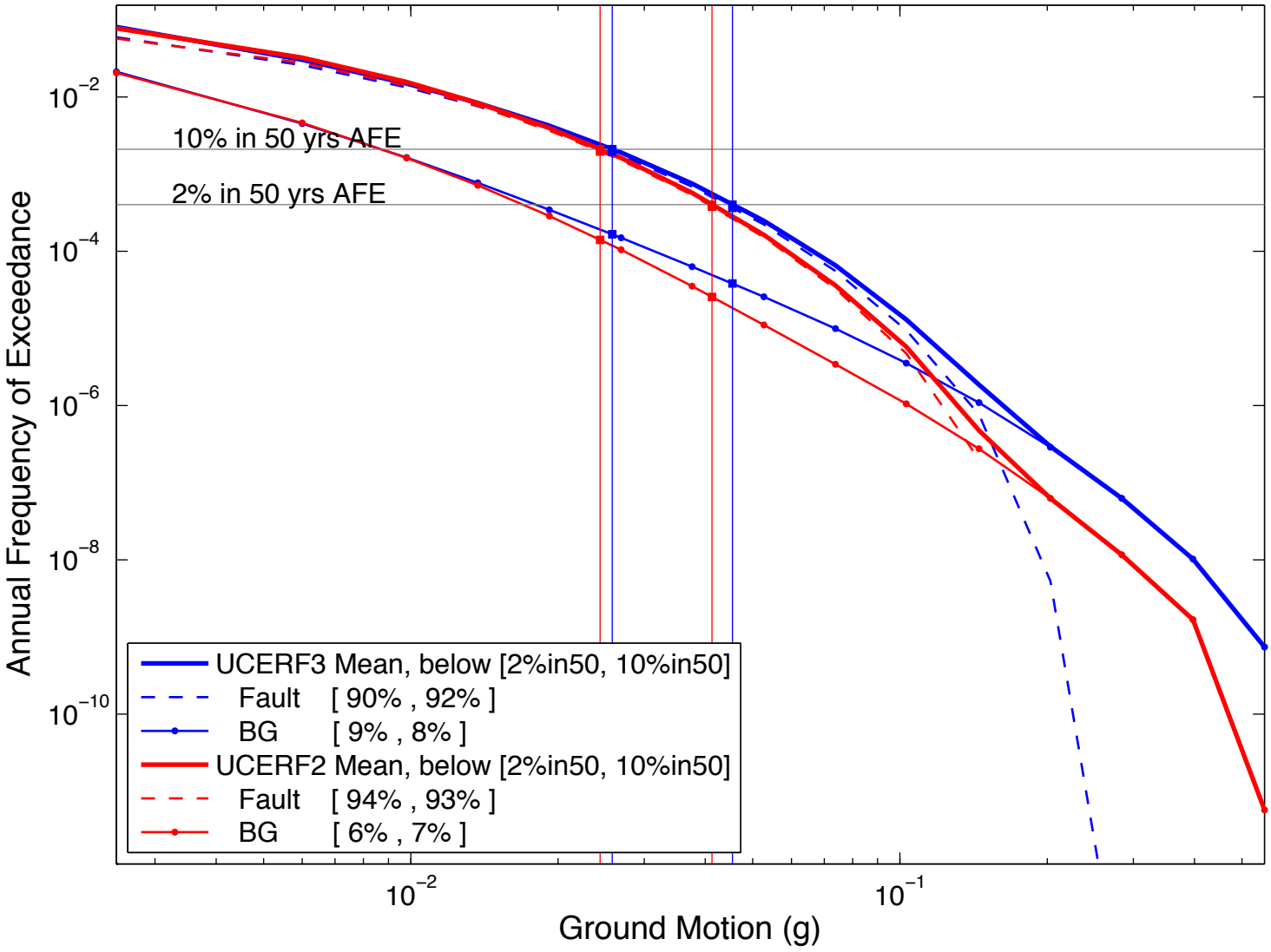
Reno (39.55, −119.80) : 4Sec



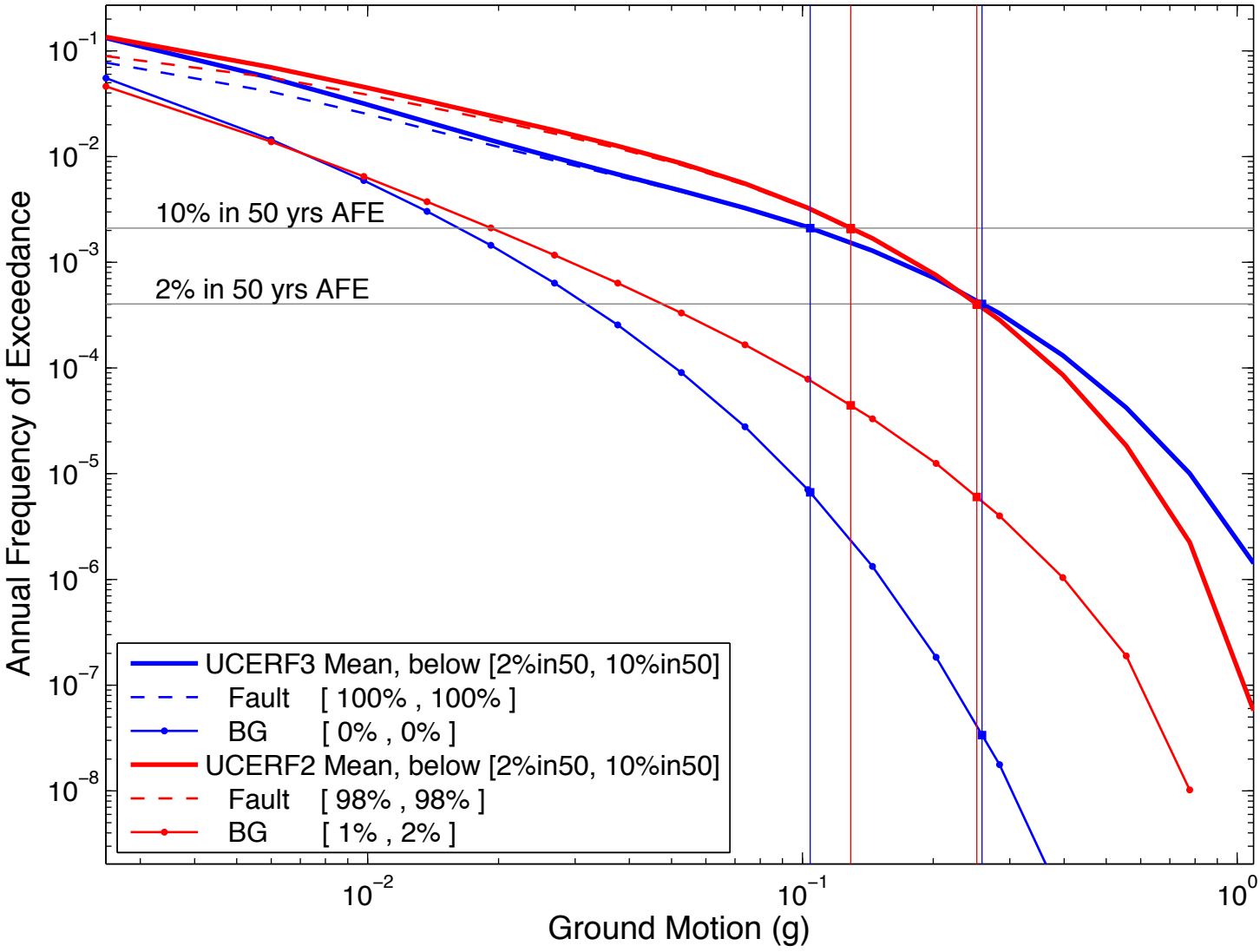
Riverside (33.95, −117.40) : 4Sec

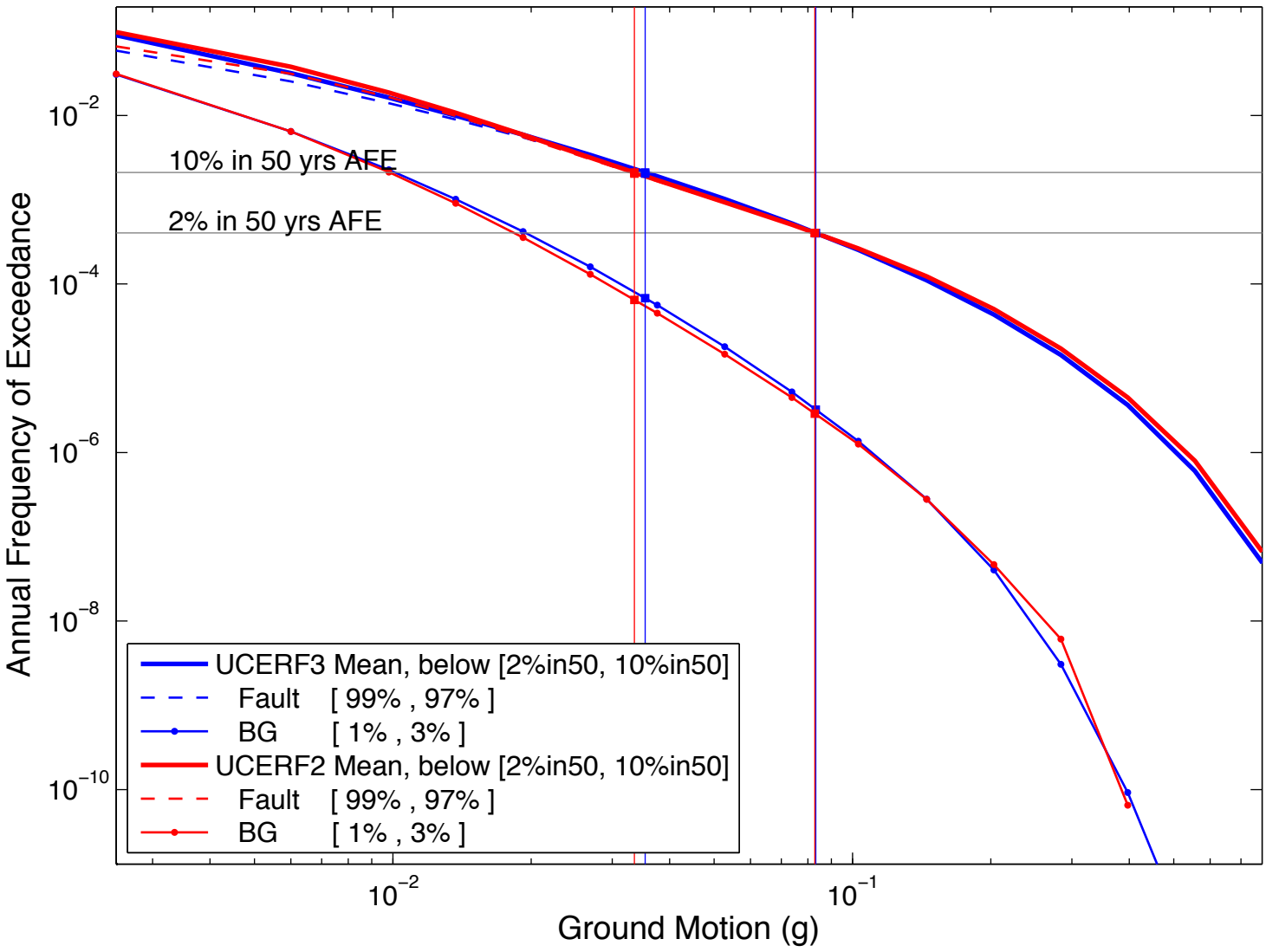


Sacramento (38.60, −121.50) : 4Sec

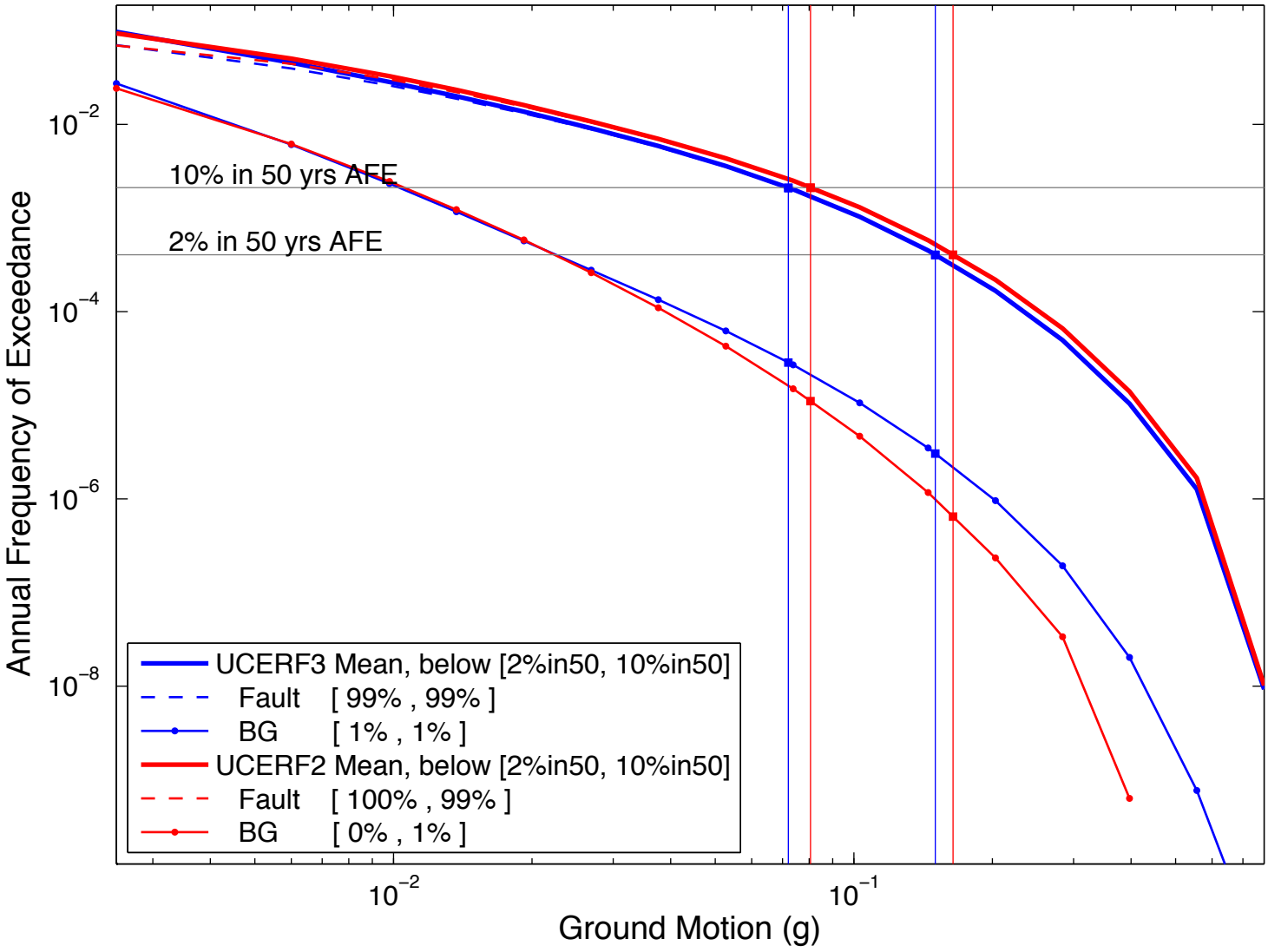


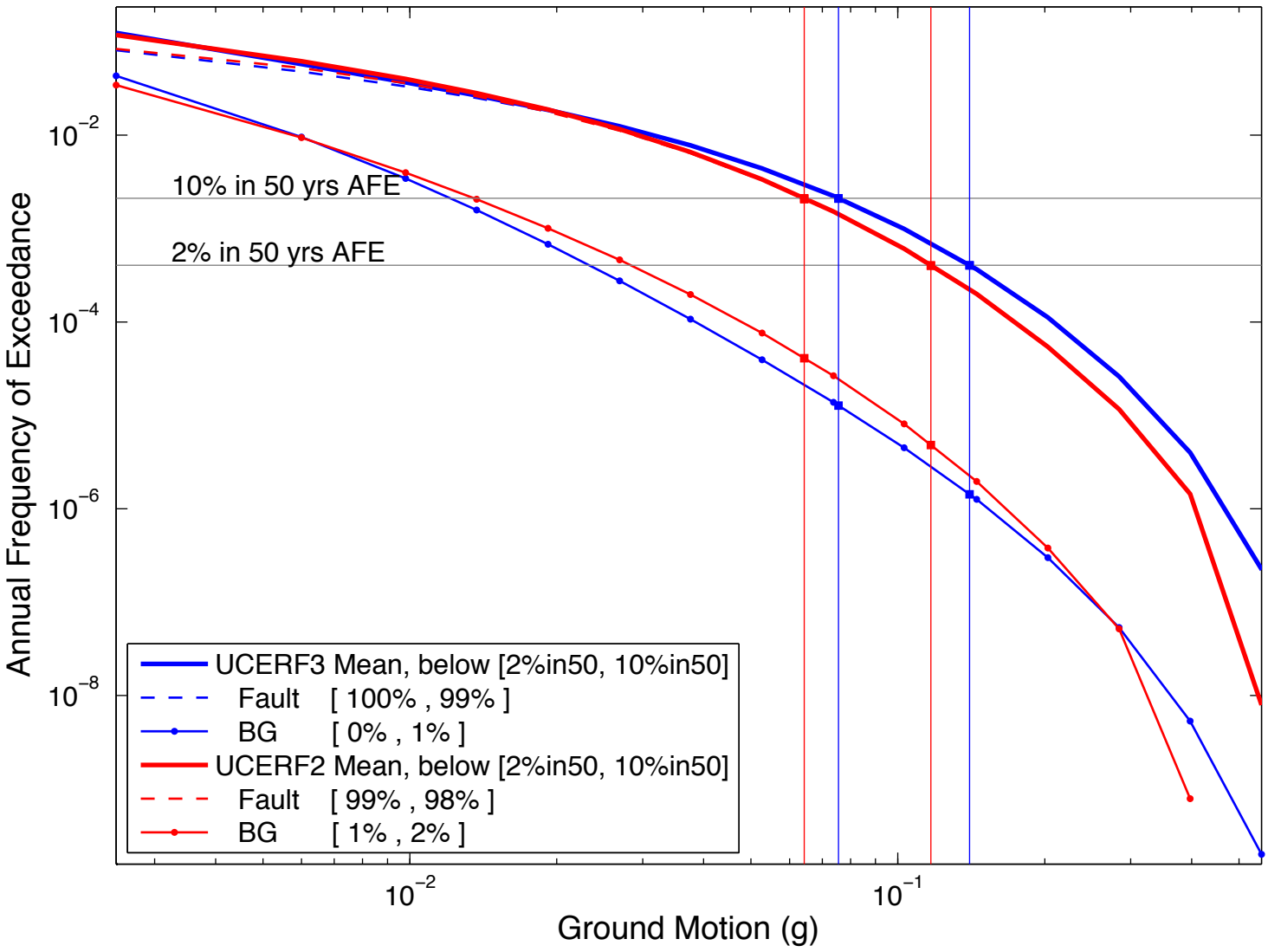
San Bernardino (34.10, −117.30) : 4Sec



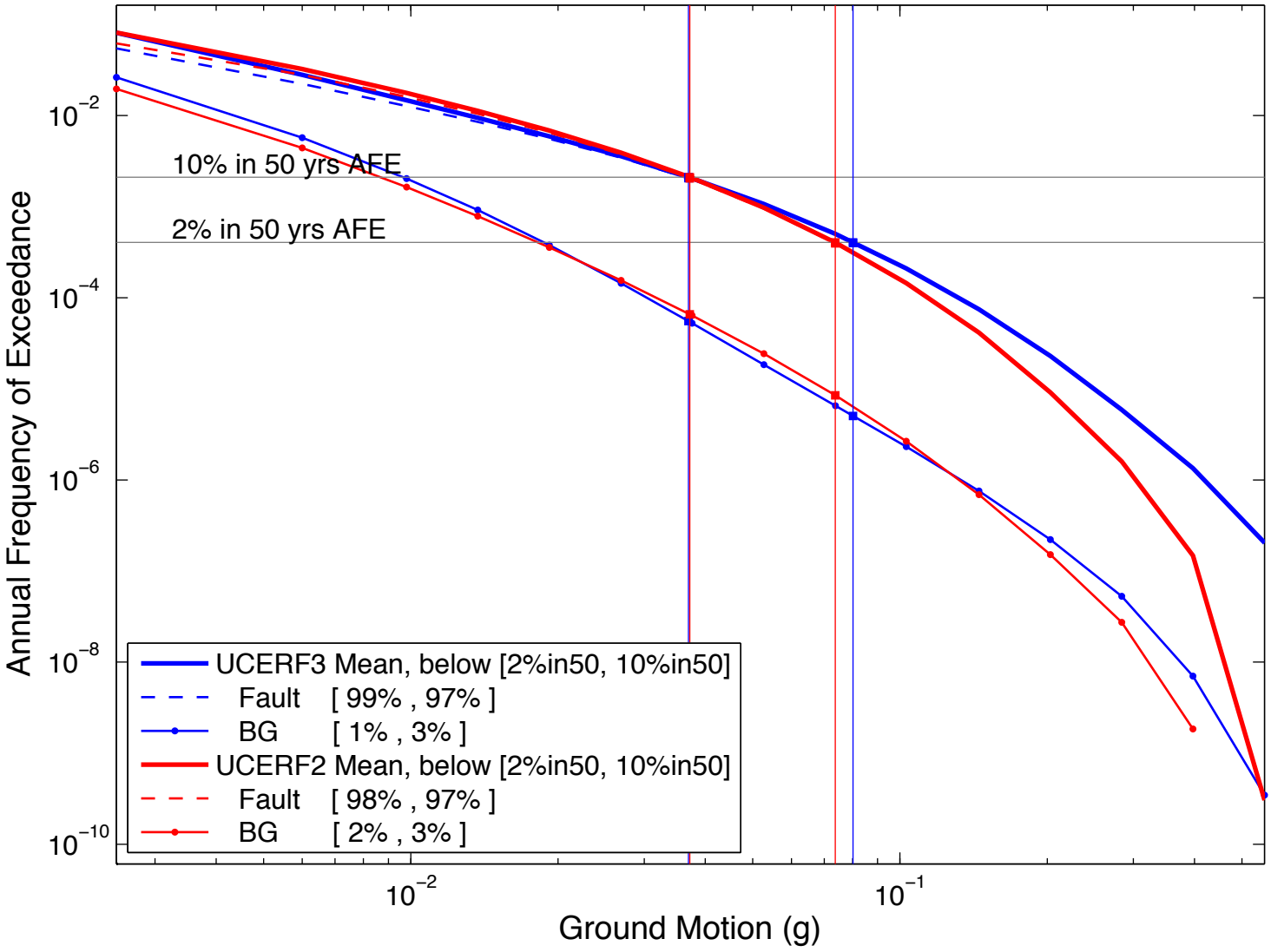

San Diego (32.70, −117.15) : 4Sec
Annual Frequency of Exceedance
Ground Motion (g)
10% in 50 yrs AFE
2% in 50 yrs AFE
UCERF3 Mean, below [2%in50, 10%in50]
Fault [99% , 97%]
BG [1% , 3%]
UCERF2 Mean, below [2%in50, 10%in50]
Fault [99% , 97%]
BG [1% , 3%]

San Francisco (37.75, −122.40) : 4Sec

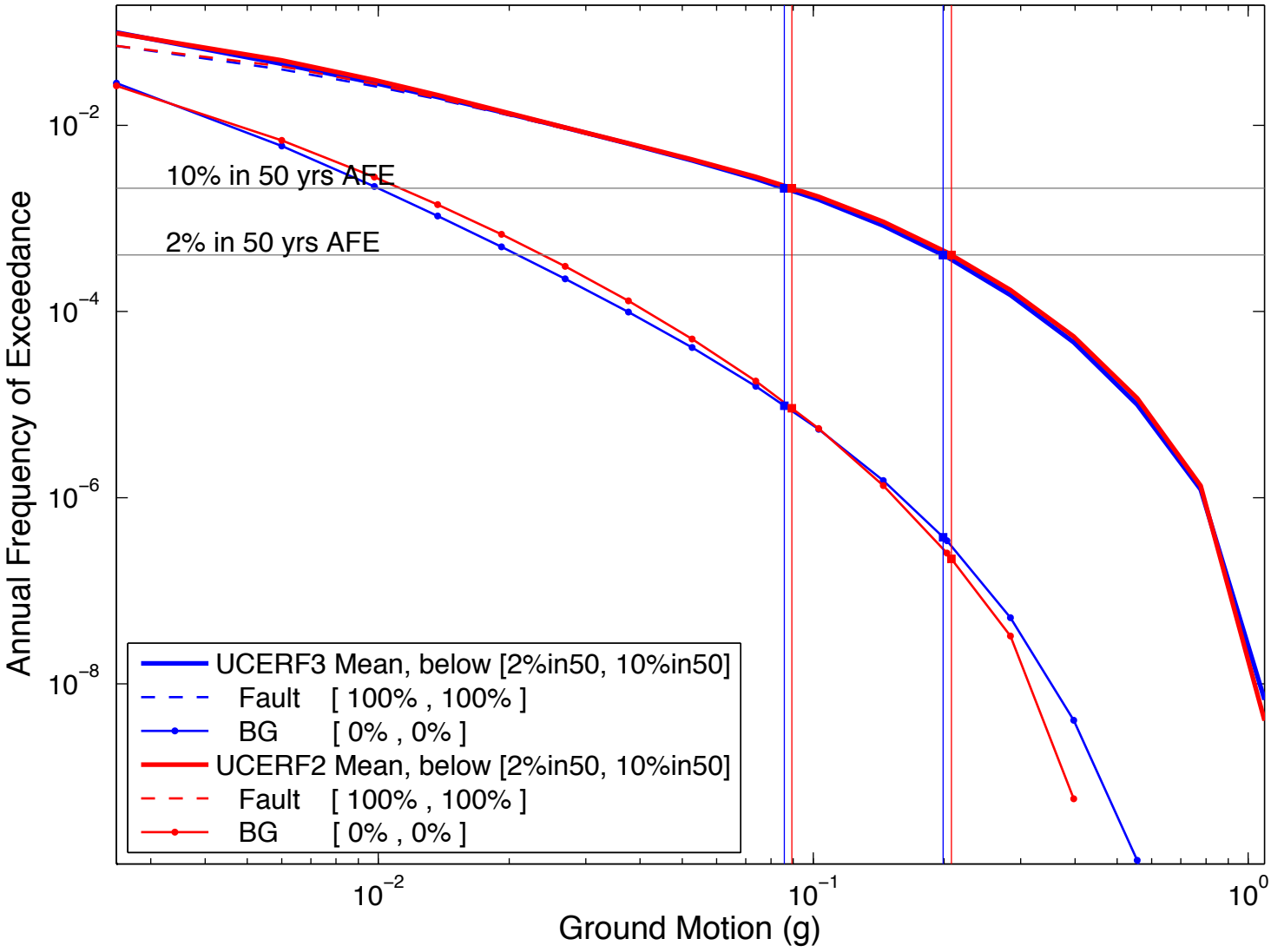



San Jose (37.35, −121.90) : 4Sec
Annual Frequency of Exceedance
Ground Motion (g)
10% in 50 yrs AFE
2% in 50 yrs AFE
UCERF3 Mean, below [2%in50, 10%in50]
Fault [100% , 99%]
BG [0% , 1%]
UCERF2 Mean, below [2%in50, 10%in50]
Fault [99% , 98%]
BG [1% , 2%]

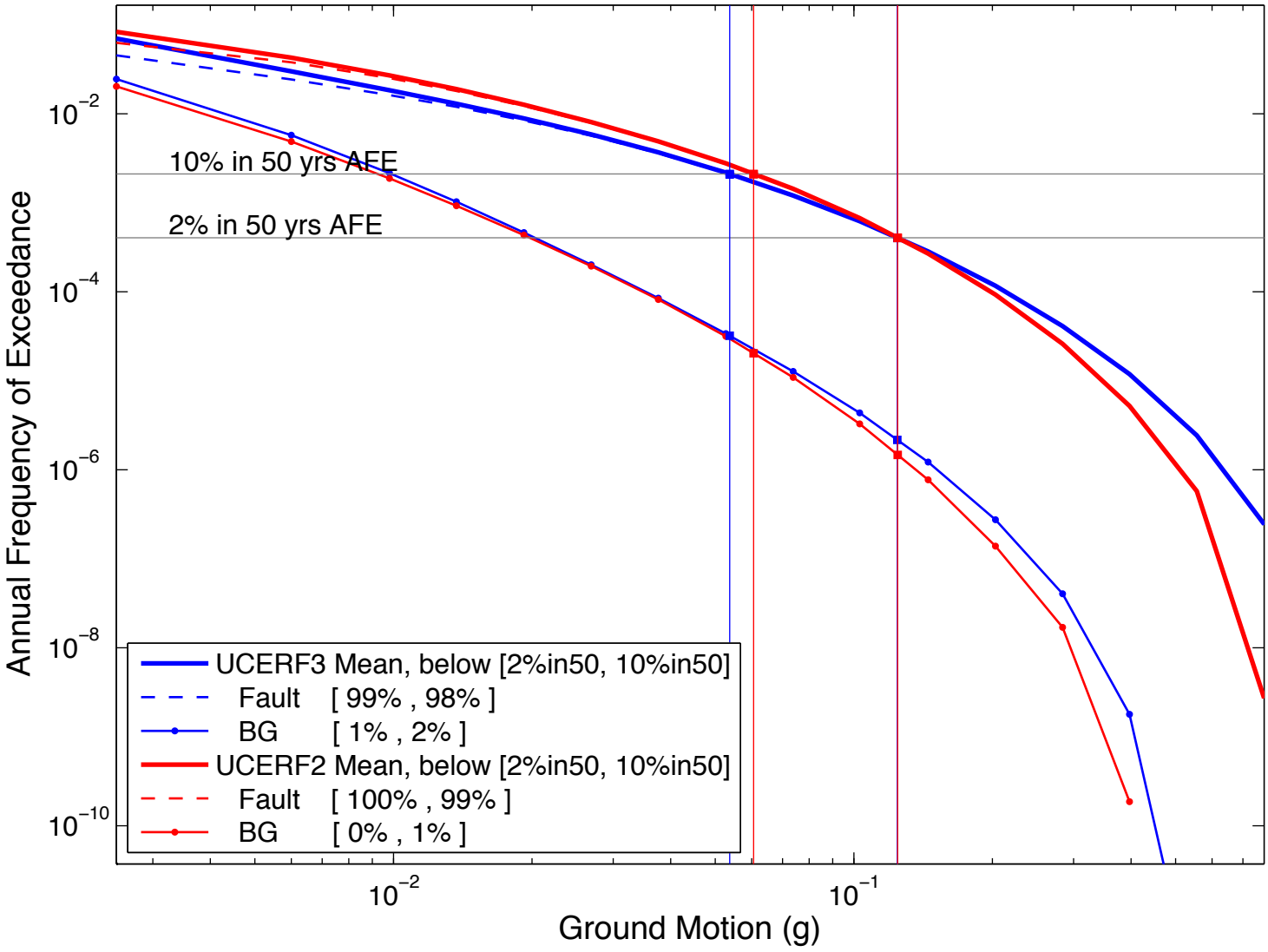
San Luis Obispo (35.30, –120.65) : 4Sec

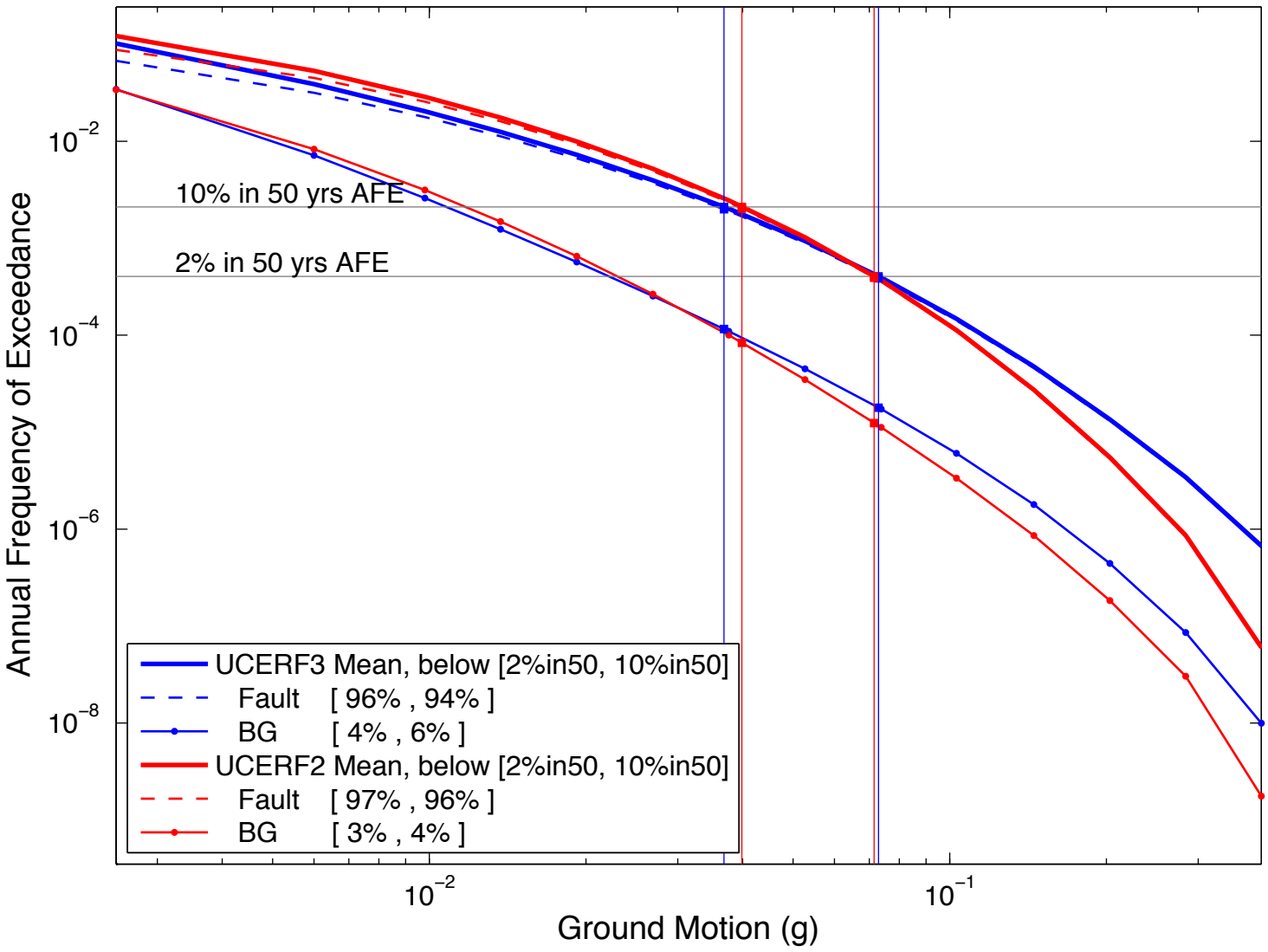


San Mateo (37.55, −122.30) : 4Sec

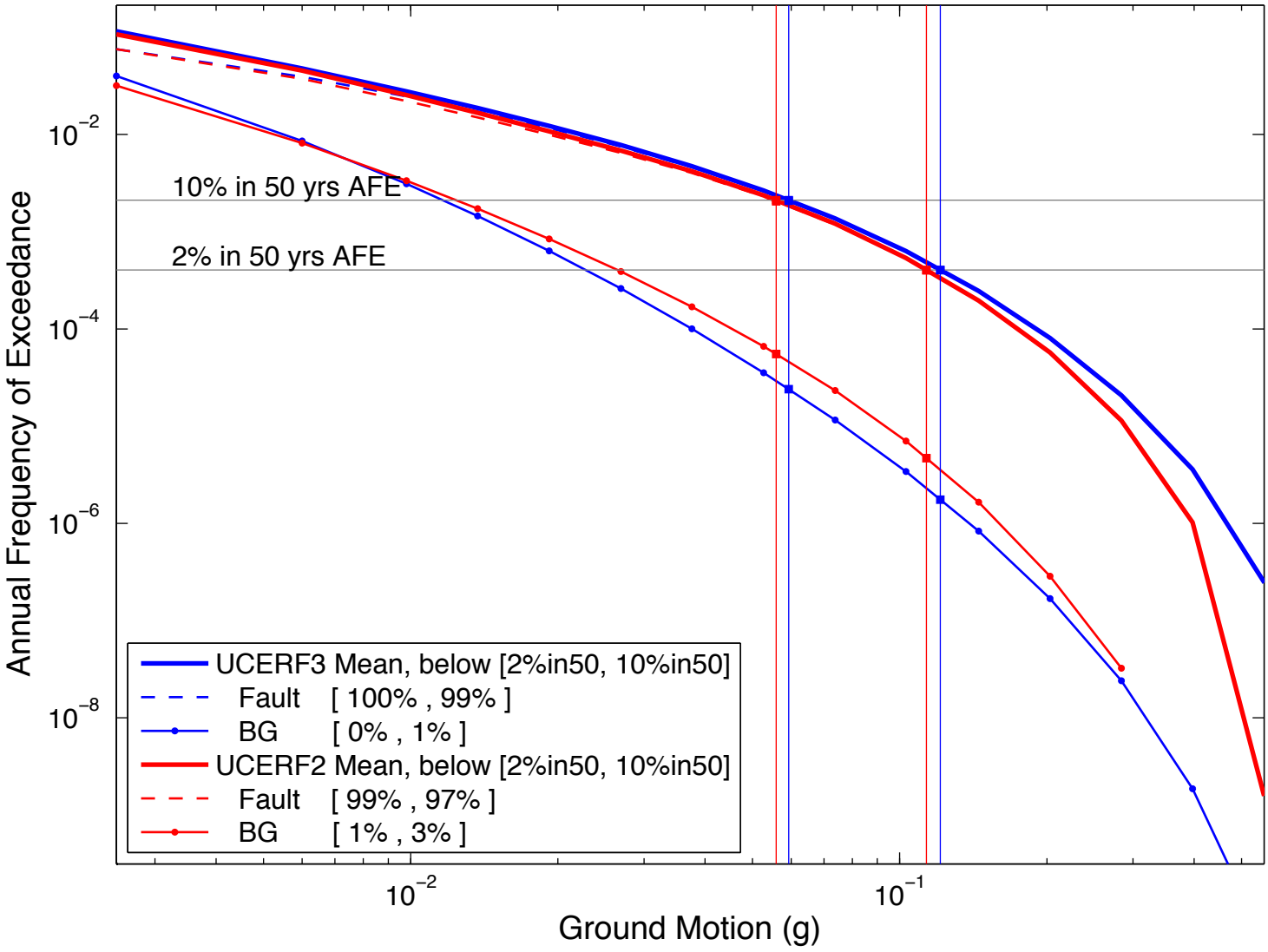


Santa Barbara (34.45, –119.70) : 4Sec

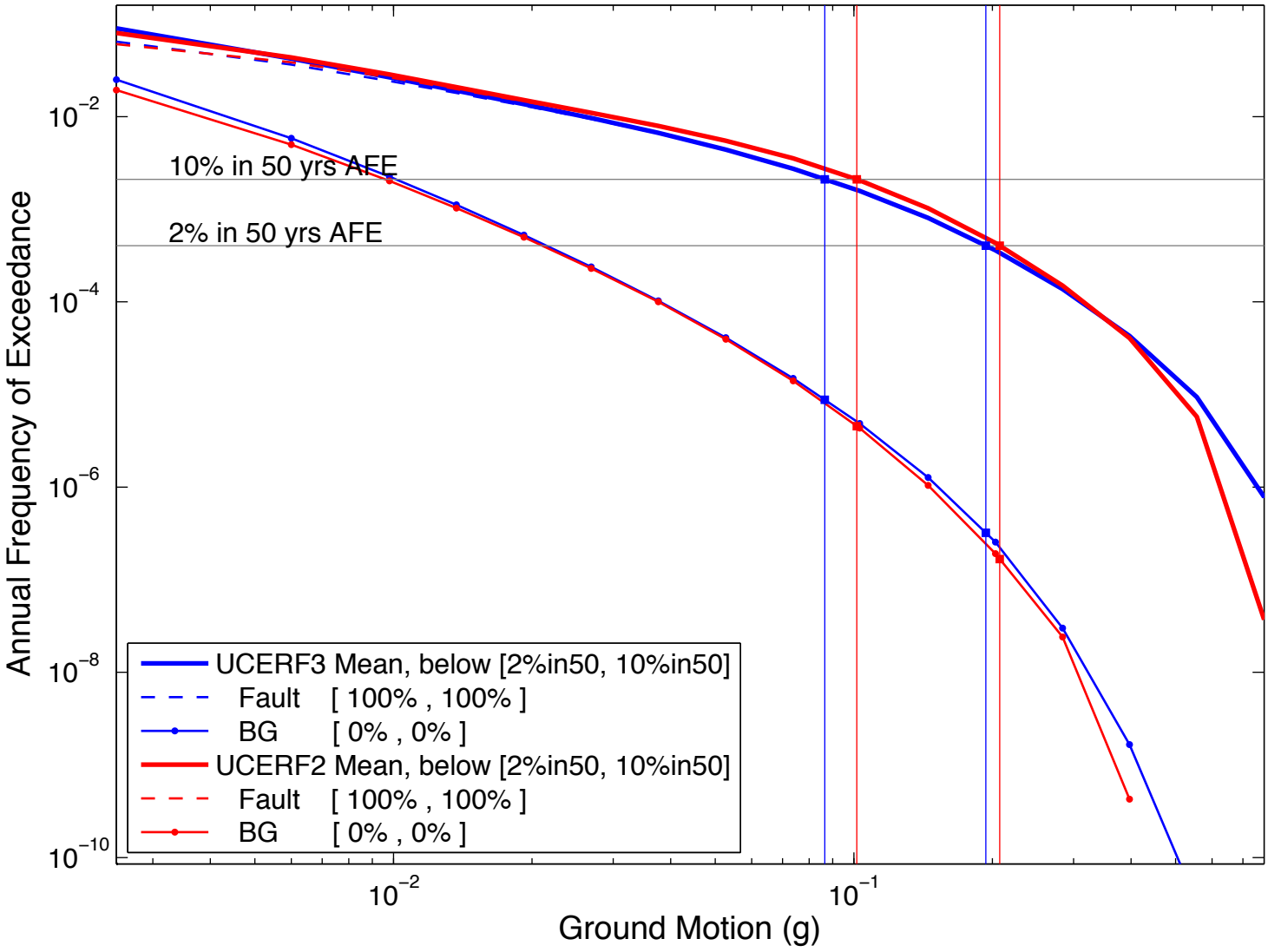


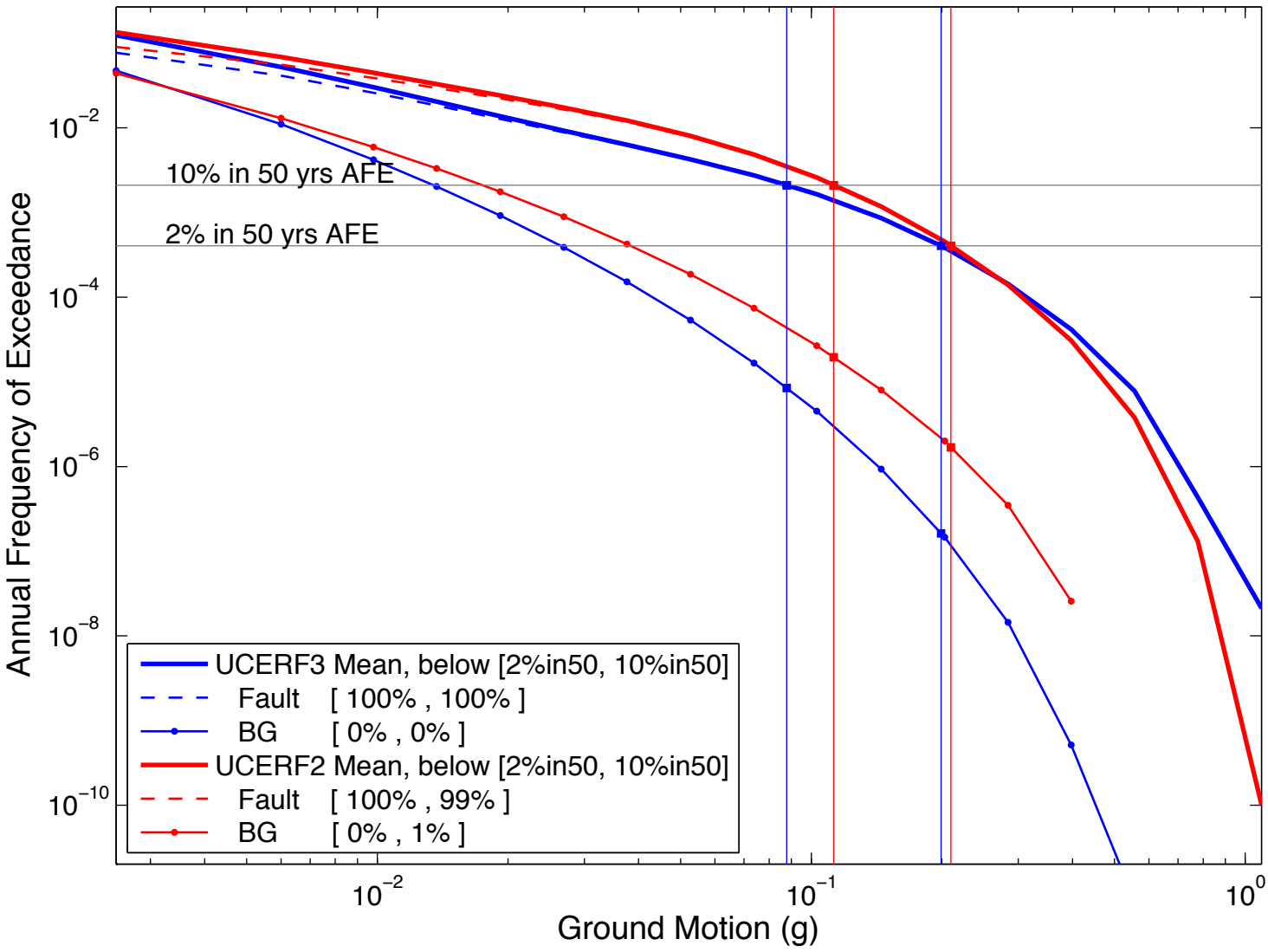

San Onofre (33.40, −117.55) : 4Sec
Annual Frequency of Exceedance
Ground Motion (g)
10% in 50 yrs AFE
2% in 50 yrs AFE
UCERF3 Mean, below [2%in50, 10%in50]
Fault [96% , 94%]
BG [4% , 6%]
UCERF2 Mean, below [2%in50, 10%in50]
Fault [97% , 96%]
BG [3% , 4%]

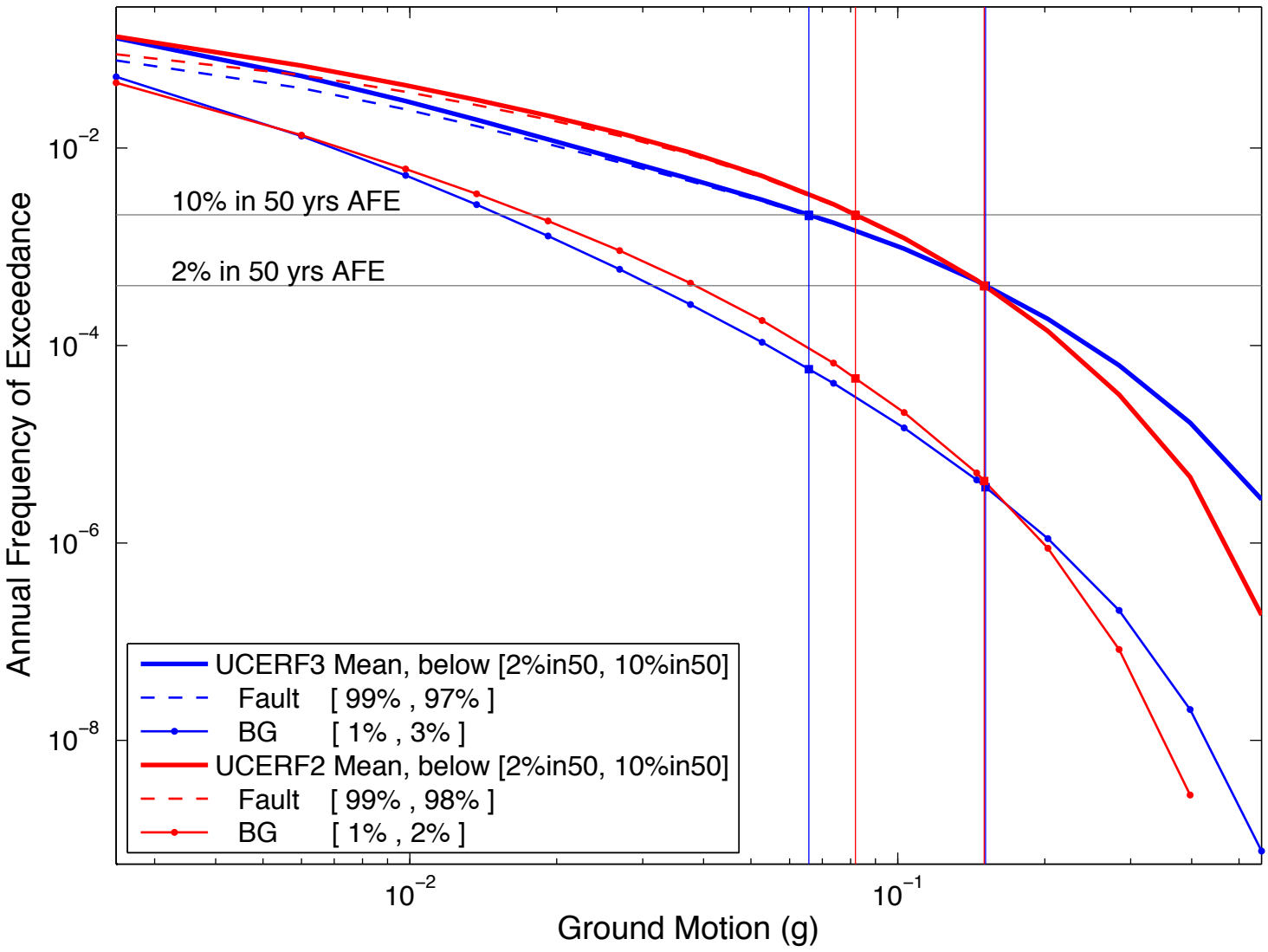
Santa Cruz (36.95, –122.05) : 4Sec



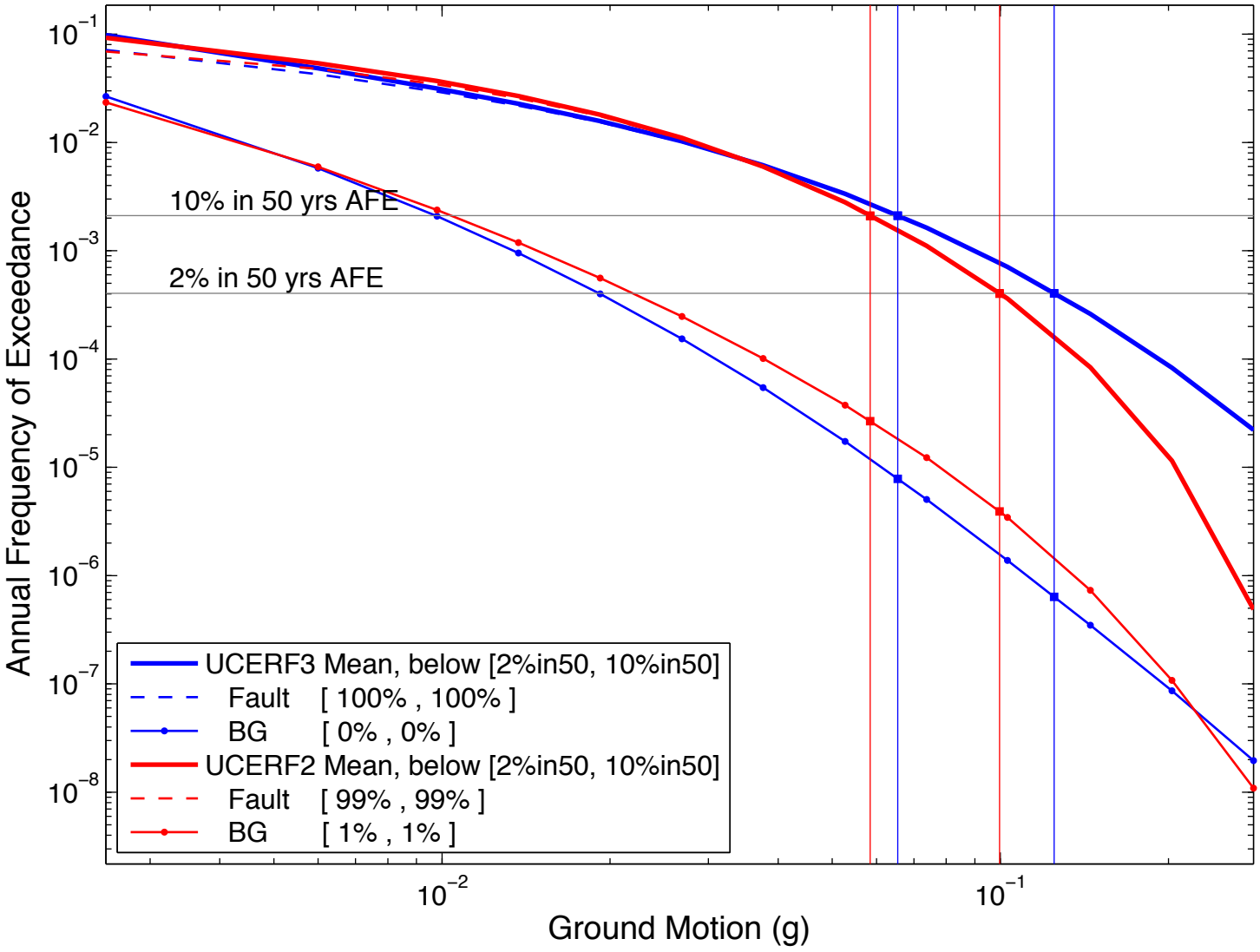
Santa Rosa (38.45, −122.70) : 4Sec

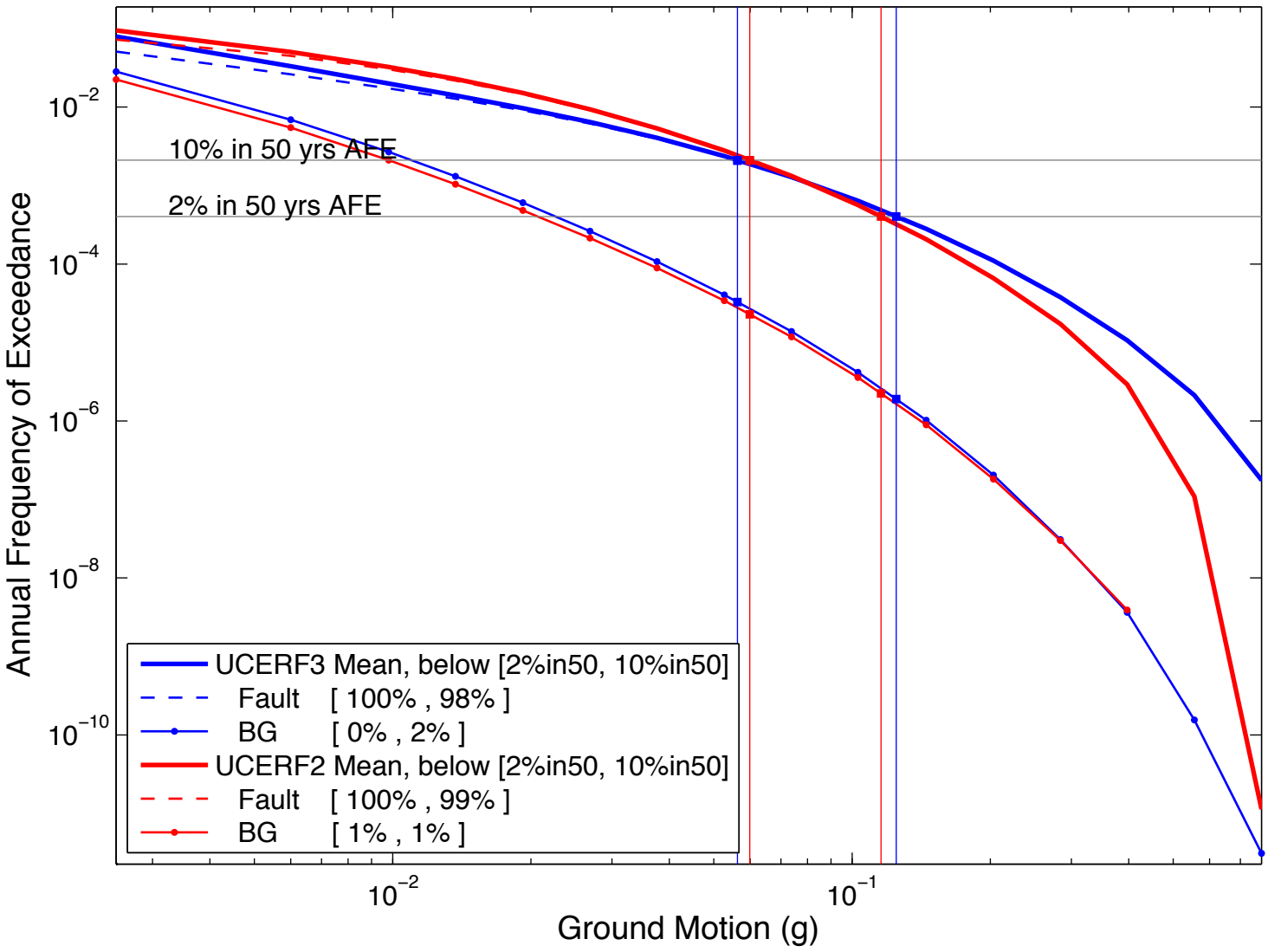



SW01 (34.30, −117.34) : 4Sec
Annual Frequency of Exceedance
Ground Motion (g)
10% in 50 yrs AFE
2% in 50 yrs AFE
UCERF3 Mean, below [2%in50, 10%in50]
Fault [100% , 100%]
BG [0% , 0%]
UCERF2 Mean, below [2%in50, 10%in50]
Fault [100% , 99%]
BG [0% , 1%]


UCR (33.96, −117.32) : 4Sec
Annual Frequency of Exceedance
10^−2
10^−4
10^−6
10^−8
10% in 50 yrs AFE
2% in 50 yrs AFE
UCERF3 Mean, below [2%in50, 10%in50]
Fault [99% , 97%]
BG [1% , 3%]
UCERF2 Mean, below [2%in50, 10%in50]
Fault [99% , 98%]
BG [1% , 2%]
10^−2
10^−1
Ground Motion (g)

Vallejo (38.10, –122.25) : 4Sec




Ventura (34.30, −119.30) : 4Sec
Annual Frequency of Exceedance
Ground Motion (g)
10% in 50 yrs AFE
2% in 50 yrs AFE
UCERF3 Mean, below [2%in50, 10%in50]
Fault [100% , 98%]
BG [0% , 2%]
UCERF2 Mean, below [2%in50, 10%in50]
Fault [100% , 99%]
BG [1% , 1%]