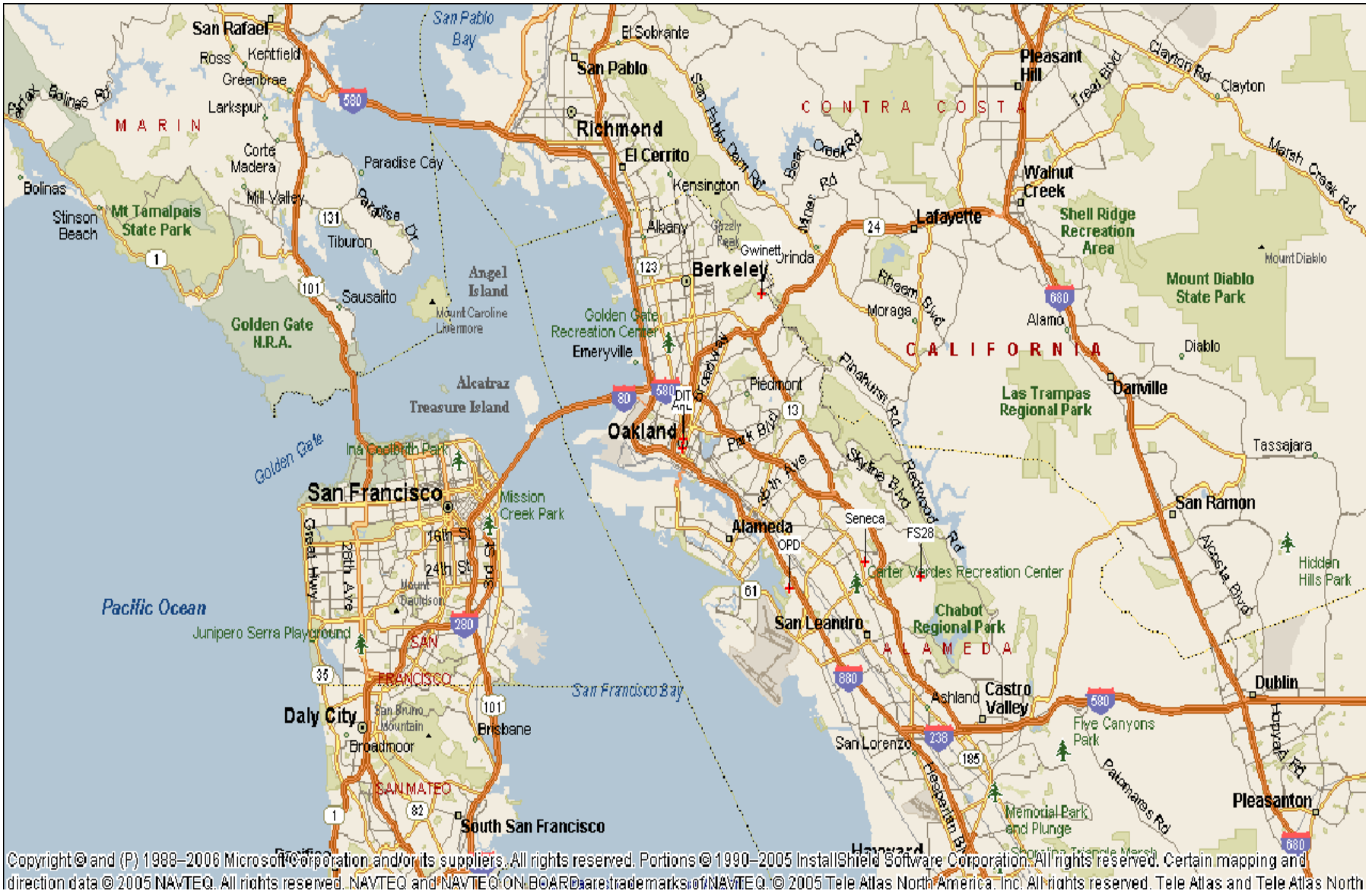
Oakland Reference Architecture

Coverage Maps

4.9 GHz
2.4 GHz
700 MHz

RF Hub Locations



Oakland Reference Architecture

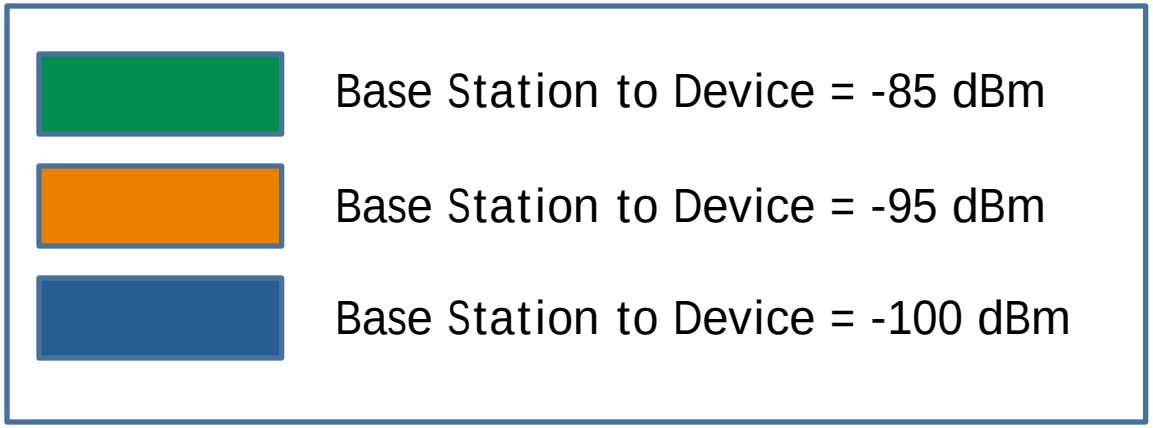
Coverage Maps

4.9 GHz
2.4 GHz

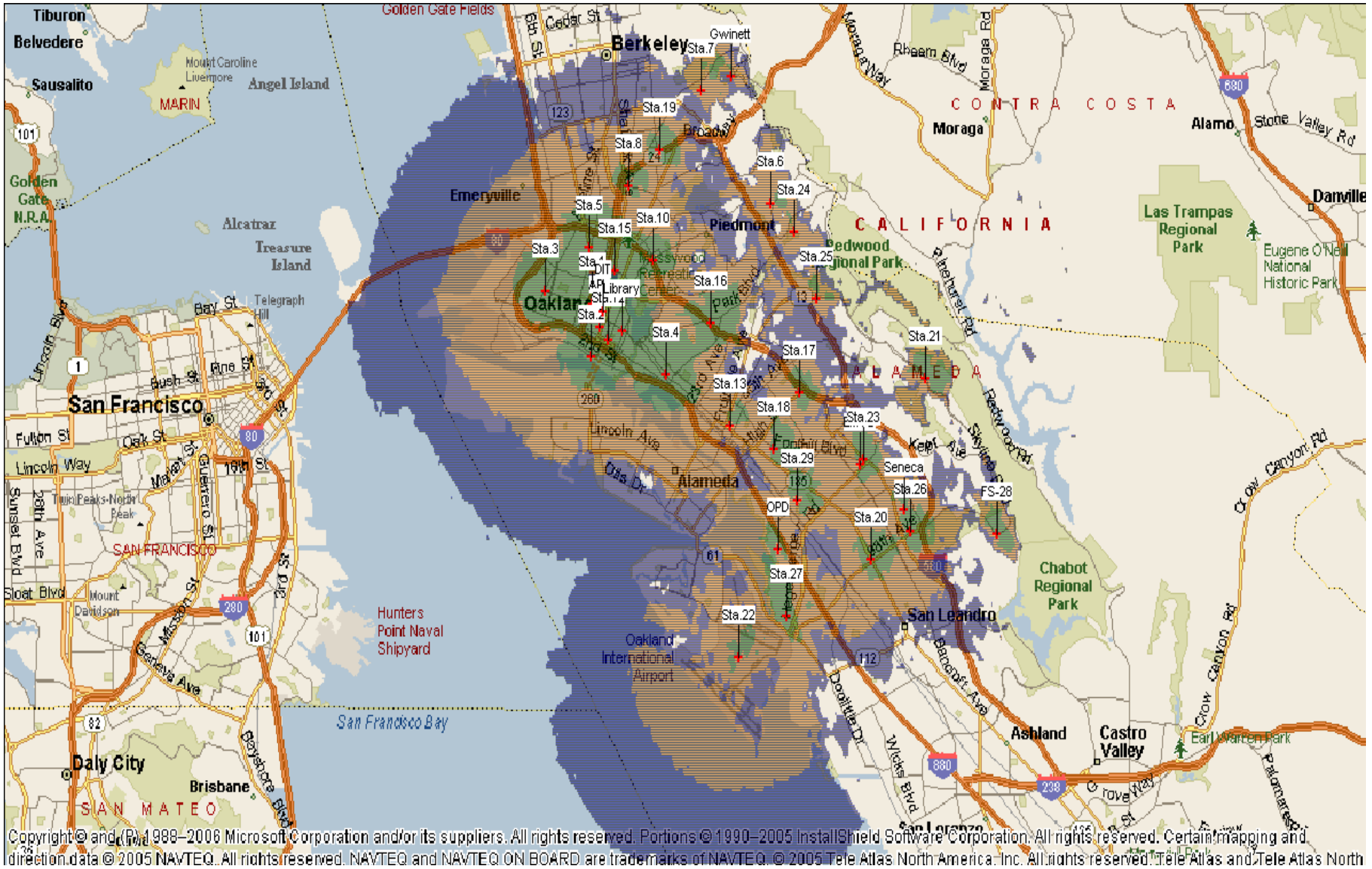
4.9 GHz and 2.4 GHz Assumptions

- Maps are for informational purposes only.
- Do not assume a particular system design, other than frequency band.
- Maps do not account for subscriber density or multi channel access points.
- Maps are based on Talk Out– Base Station to Subscriber
- All maps are based upon a reliability of approximately 95% Area Reliability.
- 2.4 GHz Maps are based on an ERP of 36 dBm – Maximum allowable per FCC.
- 4.9 GHz Maps are based on an ERP of 29 dBm – Maximum allowable per FCC.
- Gwinnett, Seneca, and FS 28 location on tower adjusted to 25 ft.

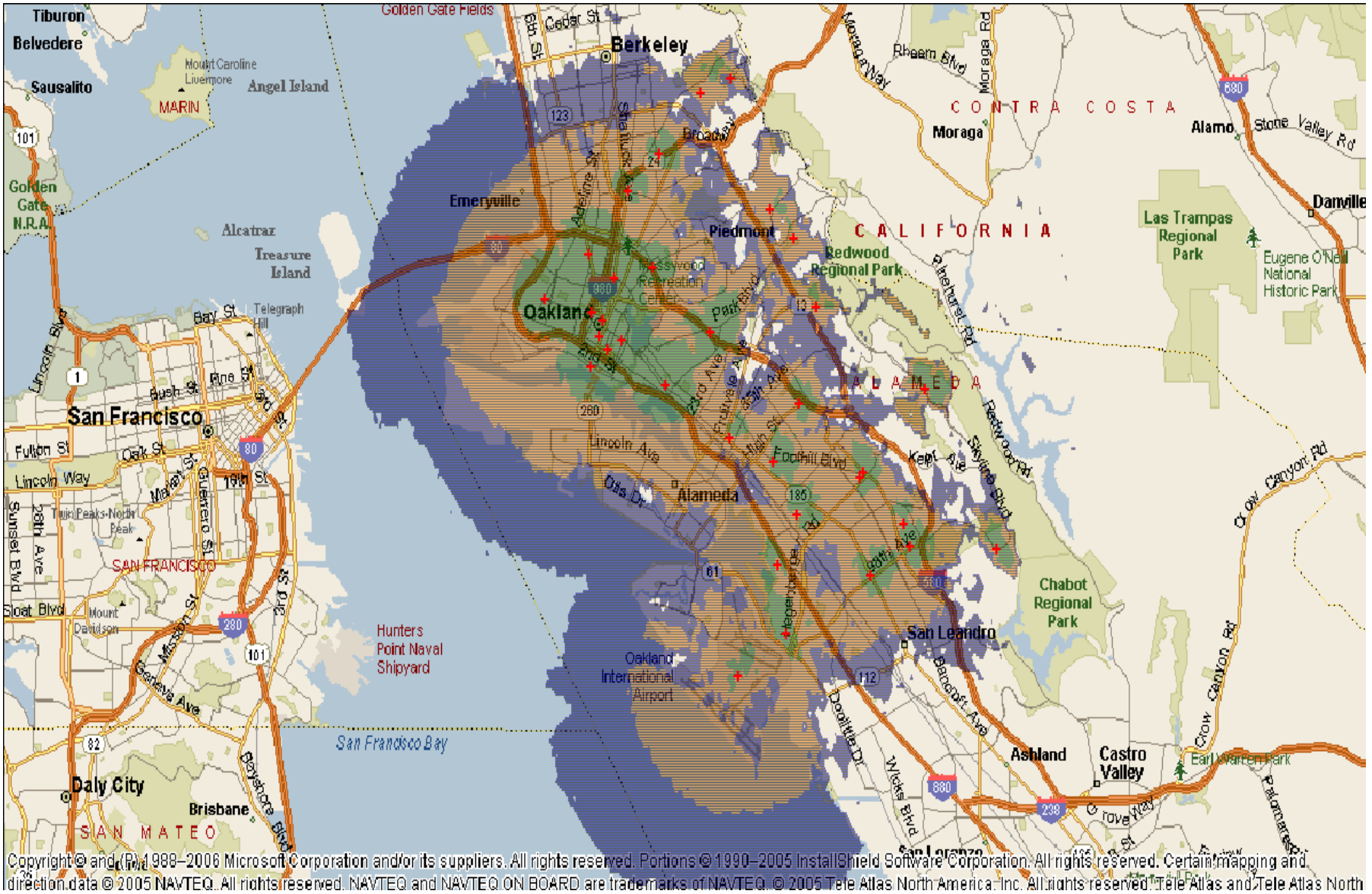
Map Legend – 4.9 GHz and 2.4 GHz



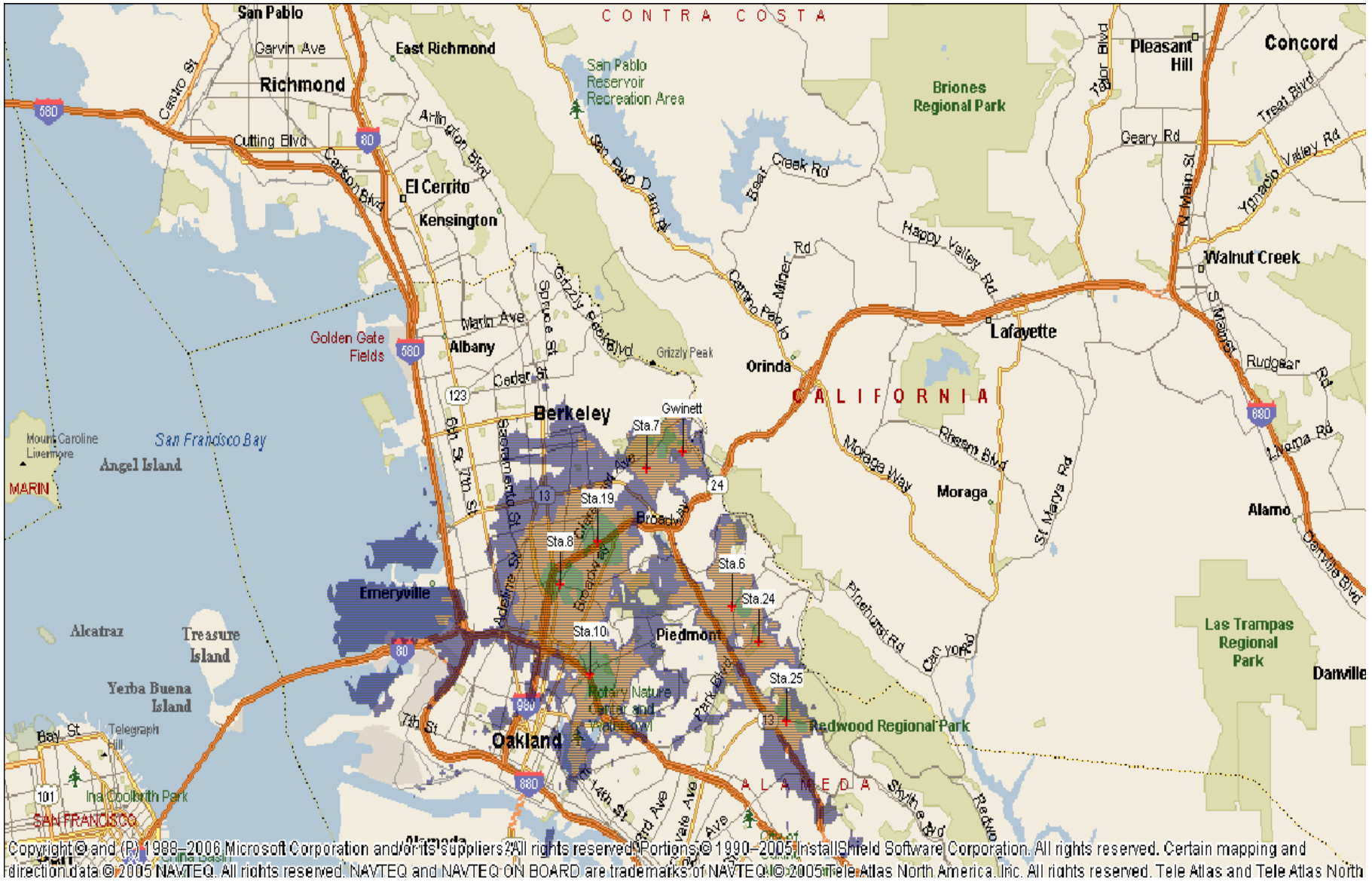
Composite – 4.9 GHz



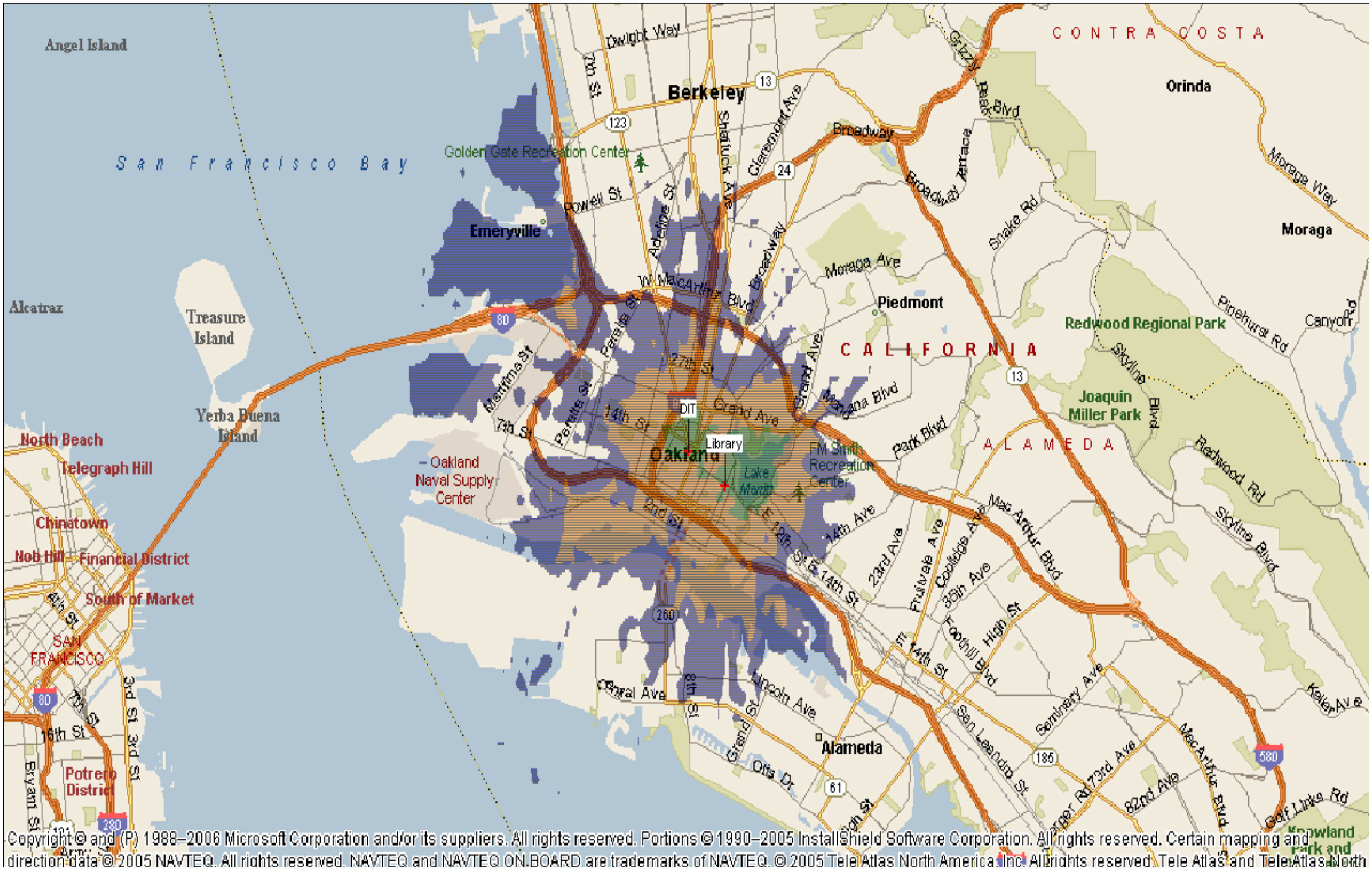
Composite – 4.9 GHz



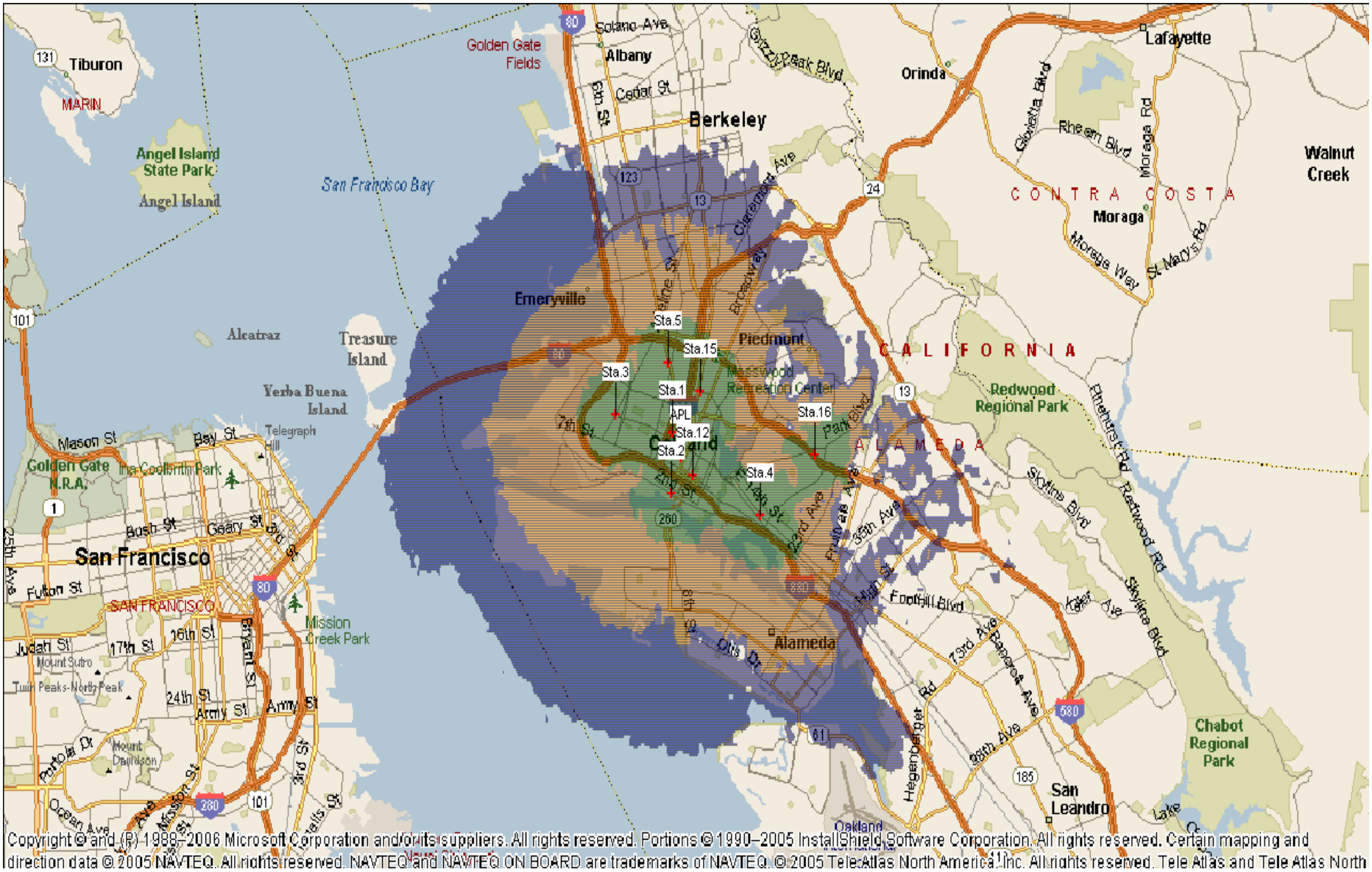
Gwinnett – 4.9 GHz



DIT– 4.9 GHz



APL – 4.9 GHz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Angel Island
San Francisco Bay
Golden Gate Fields
Albany
Berkeley
Orinda
Lafayette
Walnut Creek
CONTRA COSTA
Moraga
Emeryville
Alcatraz
Treasure Island
Yerba Buena Island
Piedmont
CALIFORNIA
Redwood Regional Park
ALAMEDA
Sta.5
Sta.15
Sta.3
Sta.1
APL
Sta.12
Sta.2
Sta.4
Sta.16
Golden Gate N.R.A.
San Francisco
SAN FRANCISCO
Mission Creek Park
Alameda
Chabot Regional Park
San Leandro
Oakland
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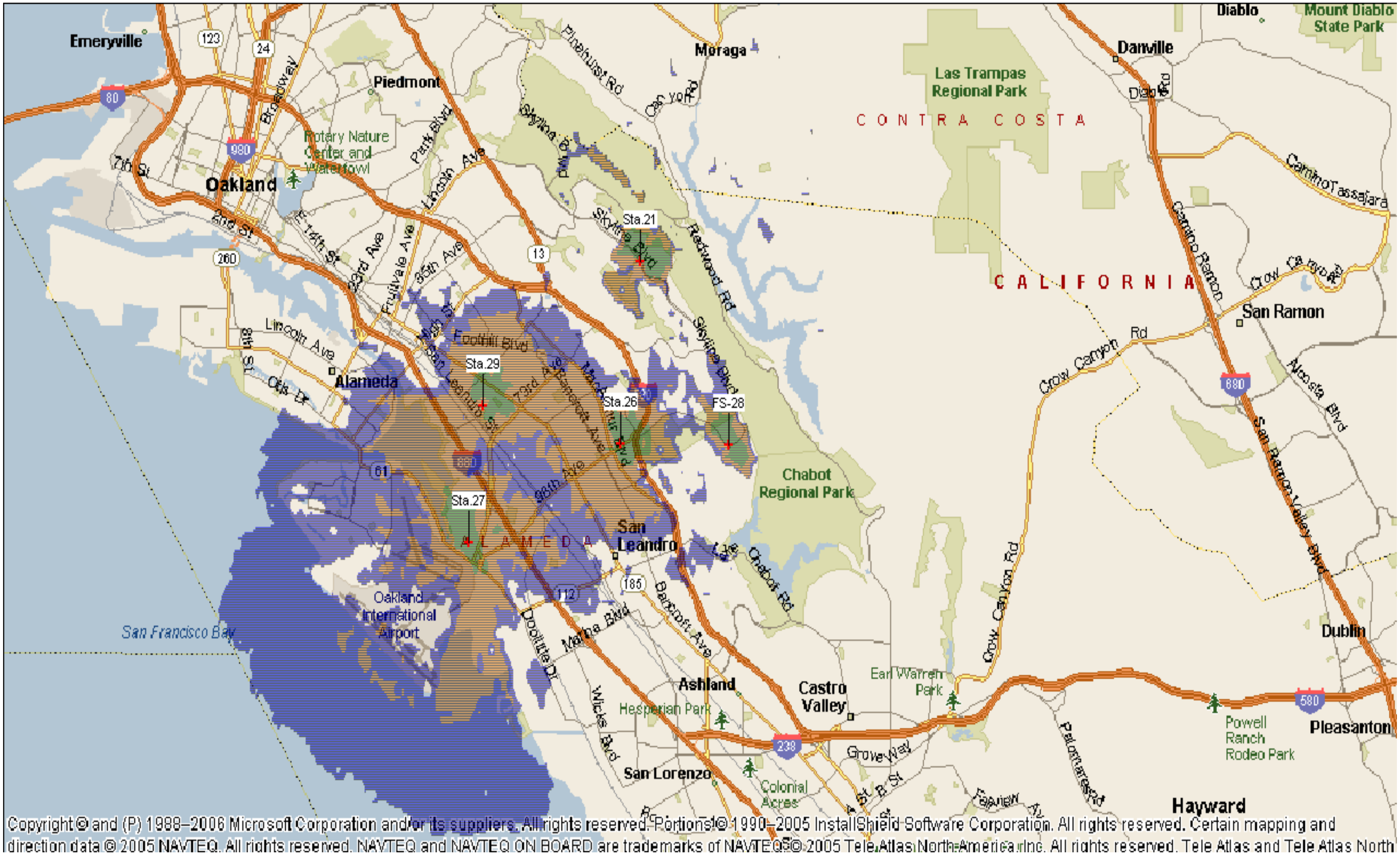
Seneca – 4.9 GHz

FS 28 – 4.9 GHz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Moraga
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Danville
Diablo
Mount Diablo State Park
Rotary Nature Center and Waterfowl
CALIFORNIA
San Ramon
Alameda
Sta.21
Sta.29
Sta.26
FS-28
Sta.27
Chabot Regional Park
ALAMEDA
San Leandro
Oakland International Airport
San Francisco Bay
Ashland
Castro Valley
Earl Warren Park
Hesperian Park
San Lorenzo
Colonial Acres
Hayward
Dublin
Pleasanton
Powell Ranch Rodeo Park
Foothill Blvd
Skyline Blvd
Redwood Rd
Crow Canyon Rd
Camino Ramon
Camino Tassajara
San Ramon Valley Blvd
Alcosta Blvd
Marina Blvd
Doolittle Dr
Bancroft Ave
Chabot Rd
Grove Way
Lincoln Ave
Broadway
Park Blvd
Fruitvale Ave
35th Ave
73rd Ave
98th Ave
High St
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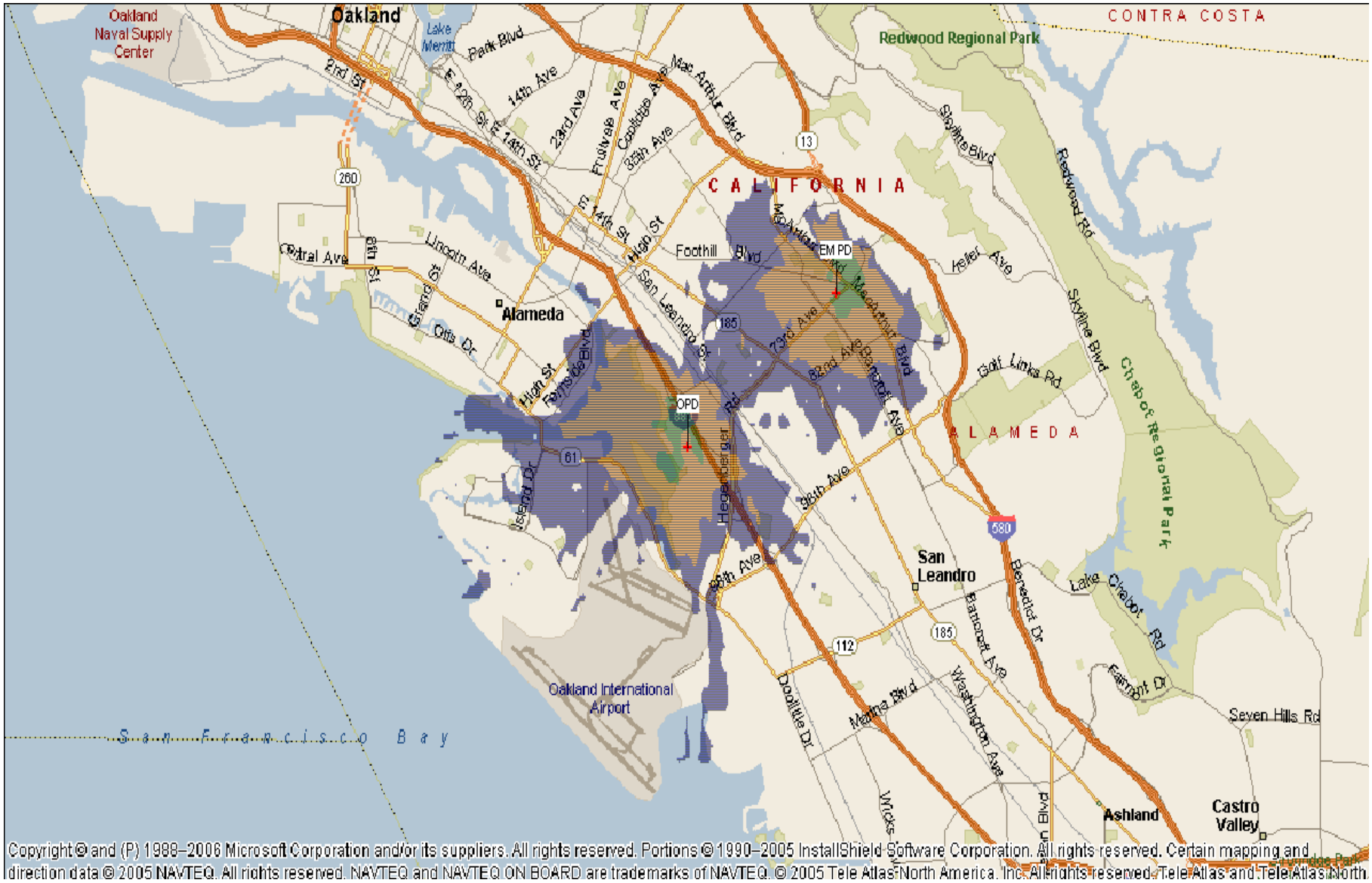
OPD – 4.9 GHz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Oakland Naval Supply Center
Lake Merritt
Park Blvd
2nd St
E 12th St
14th Ave
23rd Ave
Fruitvale Ave
Coolidge Ave
Mac Arthur Blvd
35th Ave
13
CONTRA COSTA
Redwood Regional Park
Skyline Blvd
Redwood Rd
CALIFORNIA
260
Central Ave
Lincoln Ave
Grand St
Otis Dr
Alameda
W 14th St
High St
San Leandro St
Foothill Blvd
MacArthur Blvd
EM PD
Keller Ave
185
73rd Ave
Fernside Blvd
OPD
Golf Links Rd
Chabot Regional Park
ALAMEDA
61
Island Dr
Hegenberger Rd
Doolittle Dr
98th Ave
580
San Leandro
Lake Chabot Rd
Bancroft Ave
Benedict Dr
112
Oakland International Airport
Seven Hills Rd
Ashland
Castro Valley
San Francisco Bay
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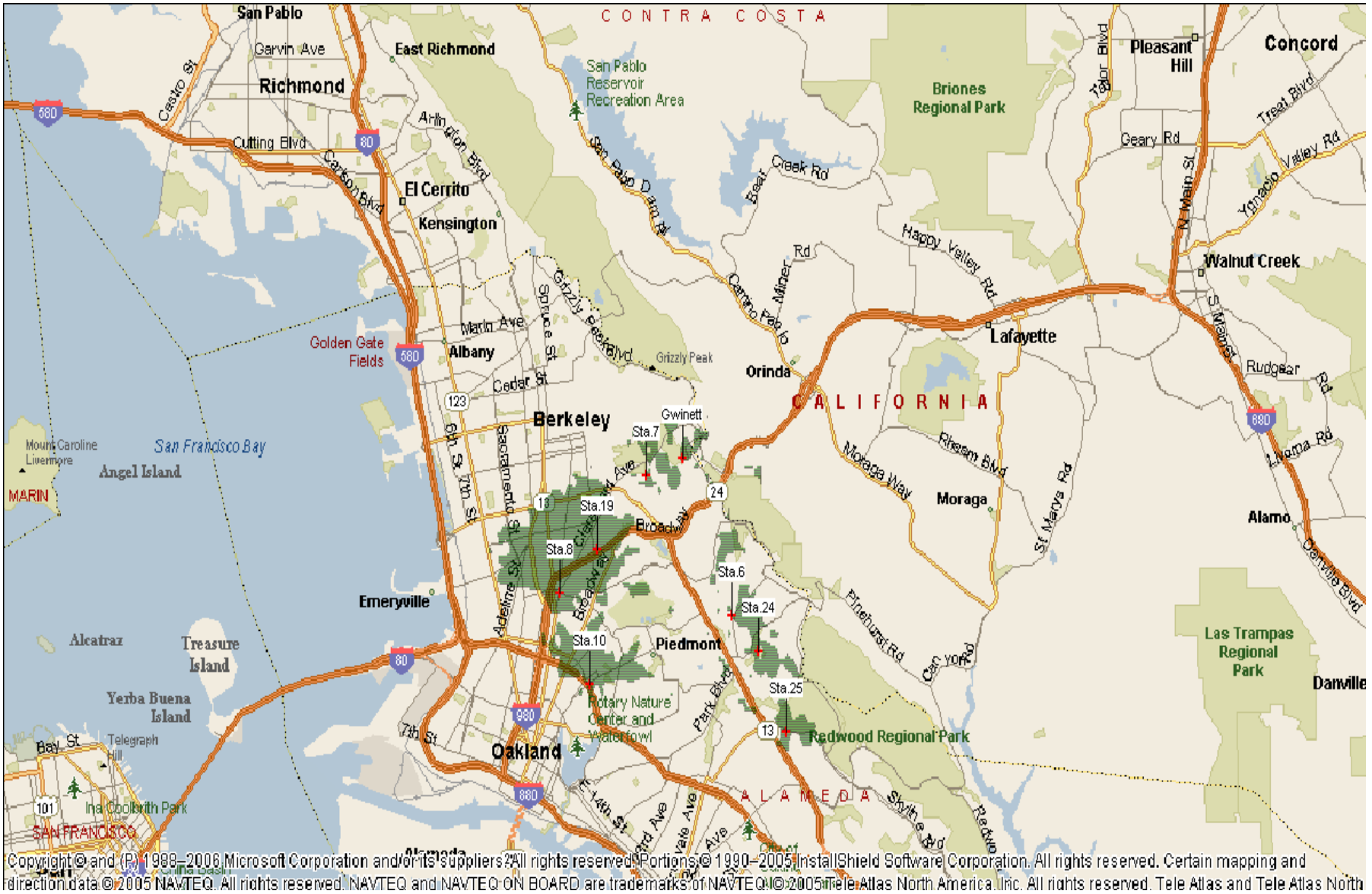
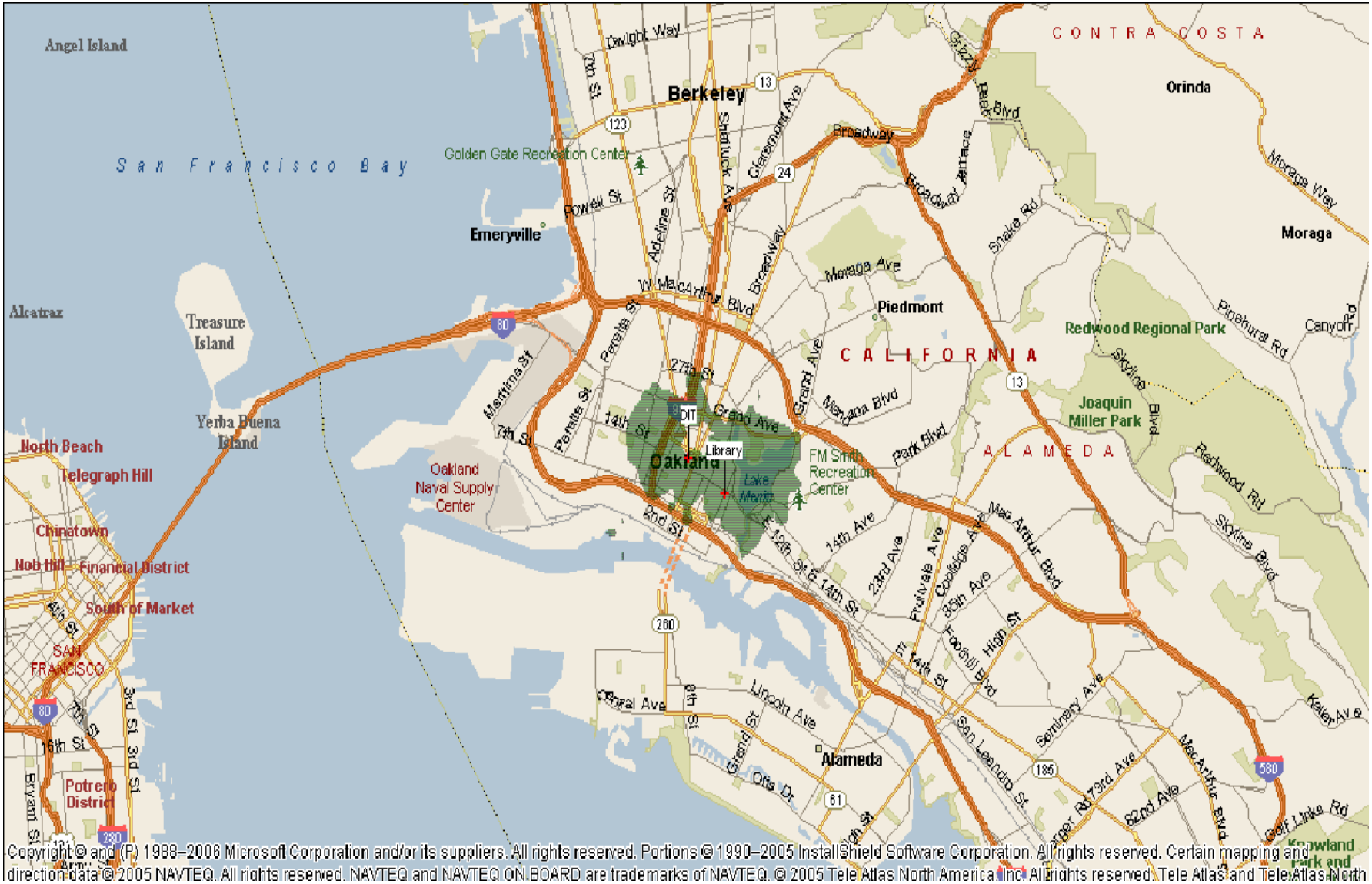
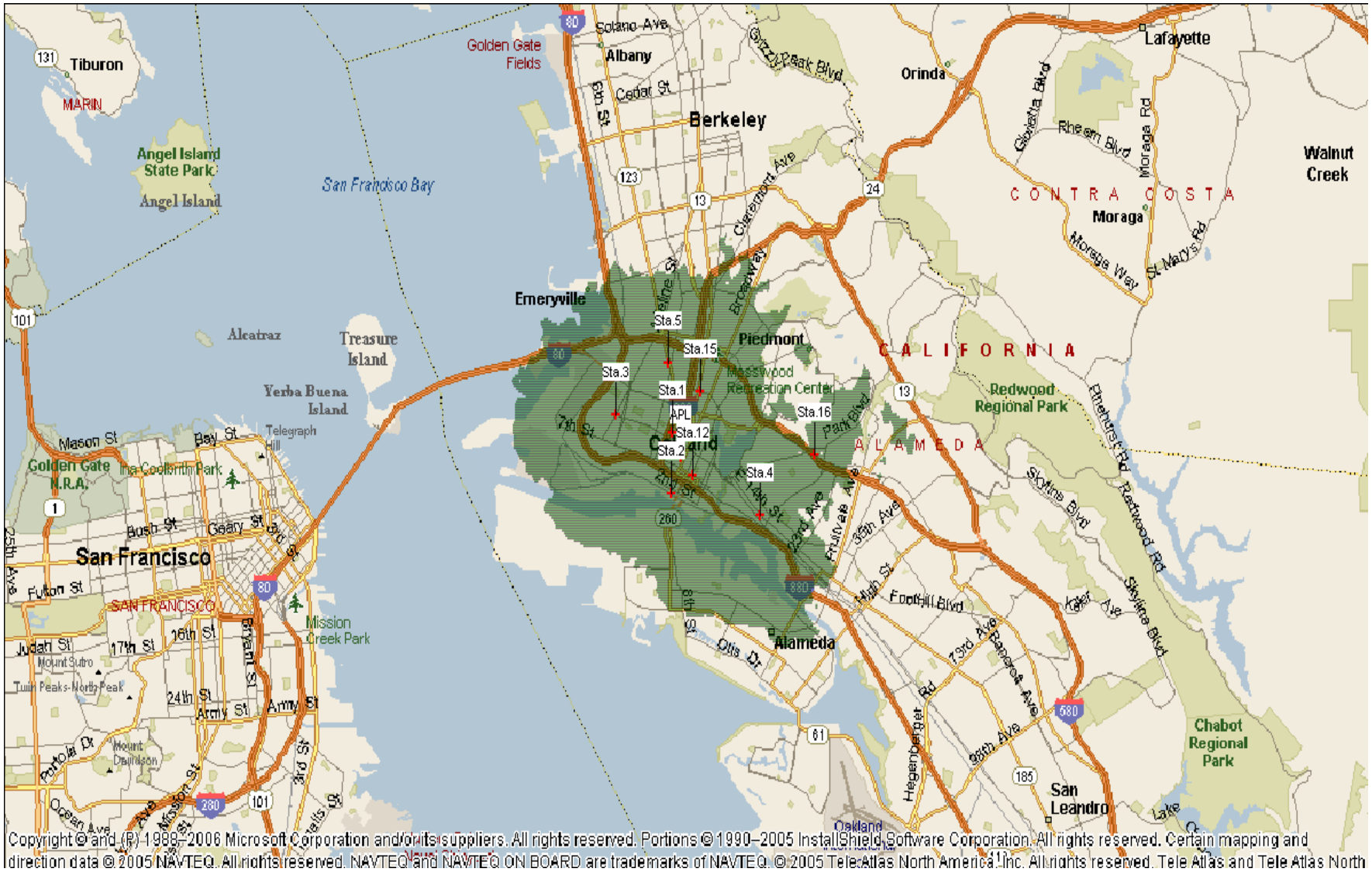
Gwinnett – 2.4 GHz



DIT - 2.4 GHz



APL - 2.4 GHz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MARIN
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Angel Island
San Francisco Bay
Golden Gate Fields
Albany
Berkeley
Solano Ave
Cedar St
Grizzly Peak Blvd
Orinda
Lafayette
Walnut Creek
Rheem Blvd
Moraga Rd
Moraga
Moraga Way
St Mary's Rd
CONTRA COSTA
CALIFORNIA
ALAMEDA
Claremont Ave
Broadway
Emeryville
Piedmont
Alcatraz
Treasure Island
Yerba Buena Island
Sta.5
Sta.15
Sta.3
Sta.1
APL
Sta.12
Sta.2
Sta.4
Sta.16
Mosswood Recreation Center
Redwood Regional Park
Park Blvd
Telegraph Hill
Golden Gate N.R.A.
Ina Coolbrith Park
Mason St
Bay St
Bush St
Geary St
Fulton St
San Francisco
SAN FRANCISCO
Mission Creek Park
Judah St
17th St
16th St
Mount Sutro
Twin Peaks-North Peak
24th St
Army St
Portola Dr
Mount Davidson
Ocean Ave
Alameda
Otis Dr
High St
Foothill Blvd
Fruitvale Ave
35th Ave
Skyline Blvd
Redwood Rd
Keller Ave
Hegenberger Rd
Peralta Ave
Chabot Regional Park
San Leandro
Oakland
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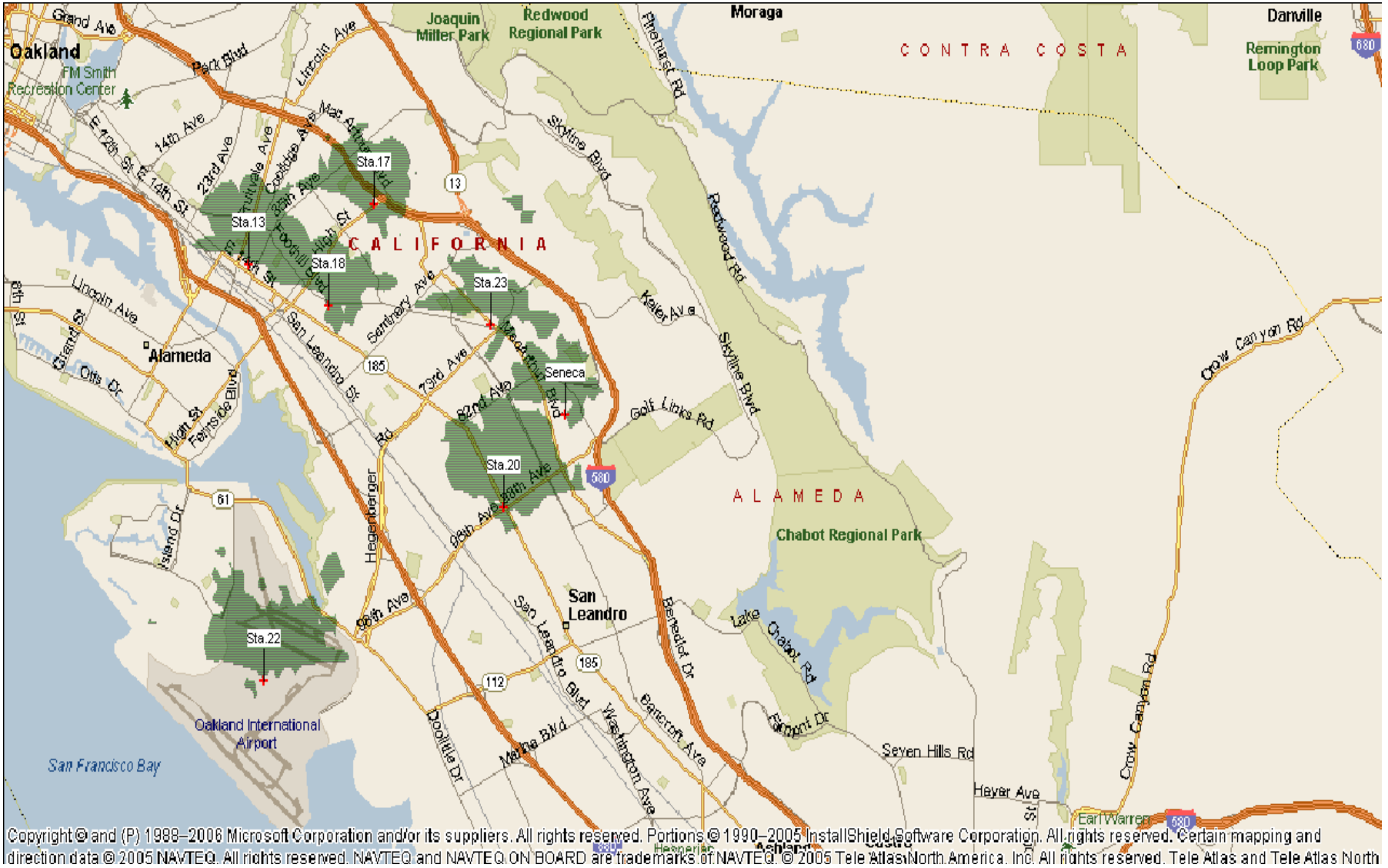
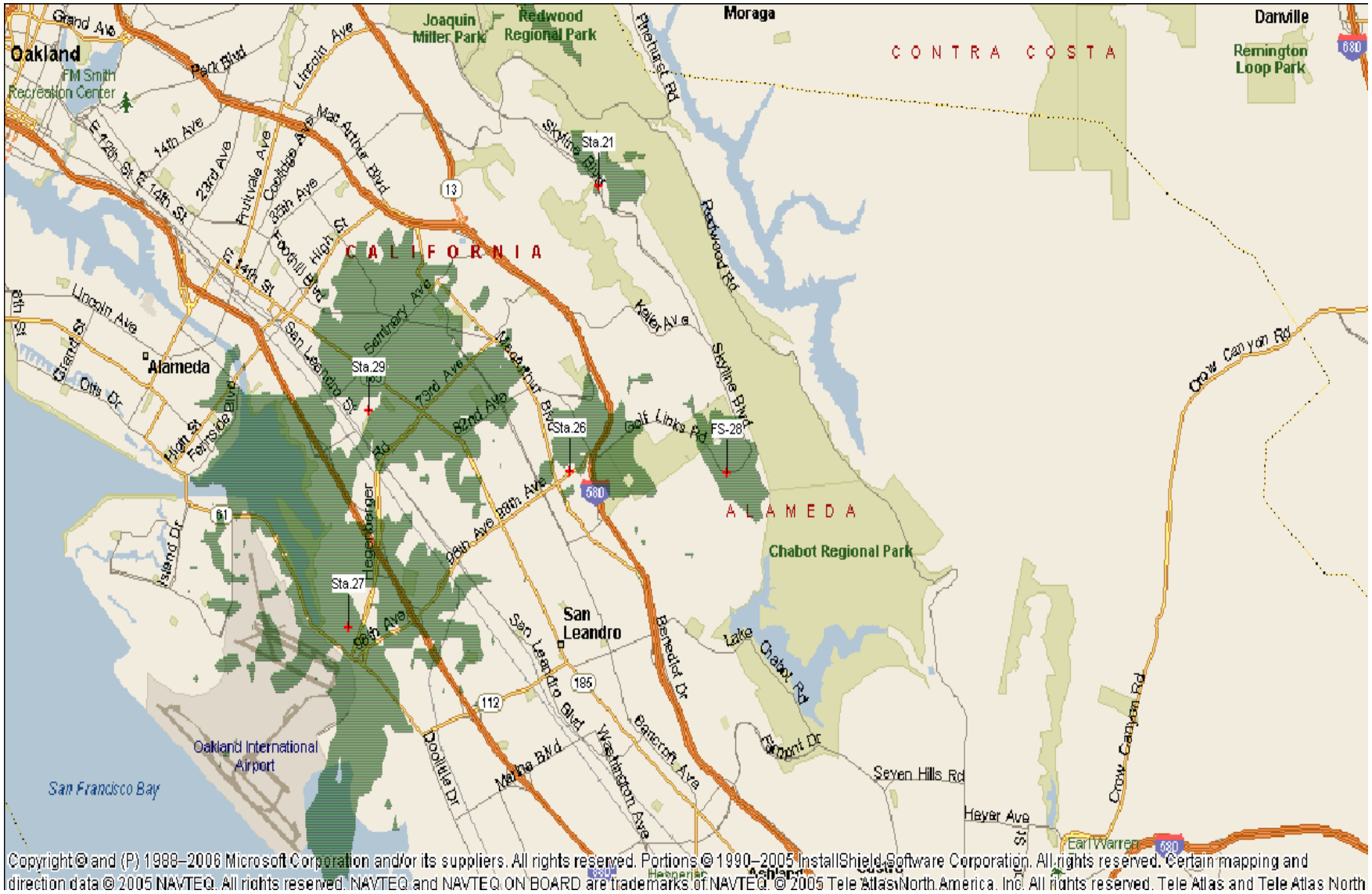
Seneca – 2.4 GHz



FS 28 - 2.4 GHz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San Leandro
Moraga
Danville
CONTRA COSTA
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ALAMEDA
Joaquin Miller Park
Redwood Regional Park
Remington Loop Park
Chabot Regional Park
Oakland International Airport
San Francisco Bay
Lake Chabot Rd
Crow Canyon Rd
Seven Hills Rd
Heyer Ave
Skyline Blvd
Redwood Rd
Golf Links Rd
Sta.21
Sta.29
Sta.26
FS-28
Sta.27
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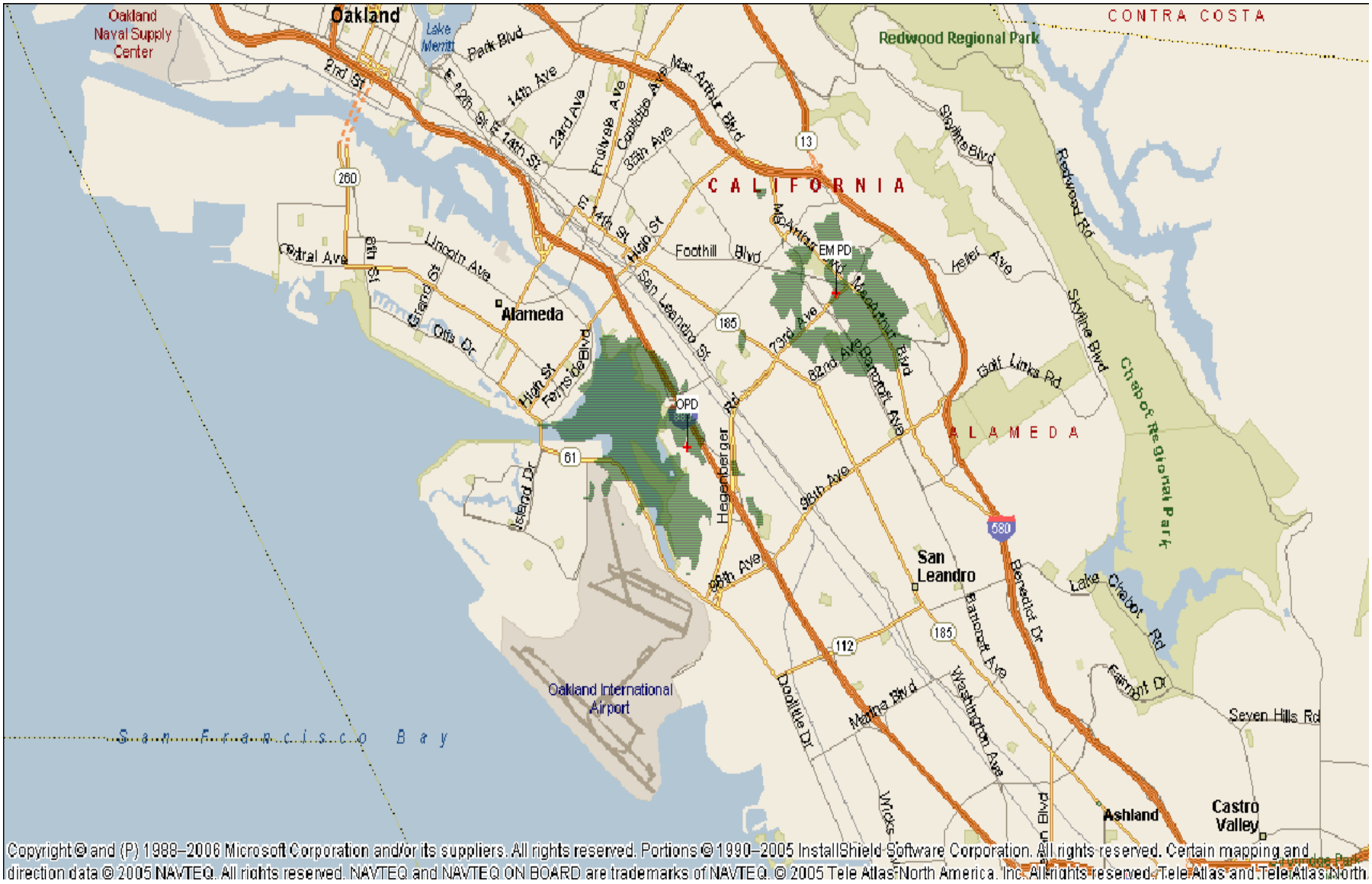
OPD – 2.4 GHz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Lake Merritt
Park Blvd
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23rd Ave
Fruitvale Ave
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E 14th St
2nd St
260
13
CONTRA COSTA
Redwood Regional Park
Skyline Blvd
Redwood Rd
CALIFORNIA
High St
Foothill Blvd
EM PD
MacArthur Blvd
Jefer Ave
Central Ave
Lincoln Ave
Grand St
Alameda
Otis Dr
San Leandro St
185
73rd Ave
82nd Ave
Bancroft Ave
Golf Links Rd
Chabot Regional Park
ALAMEDA
Fernside Blvd
OPD
Hegenberger Rd
61
Island Dr
98th Ave
580
San Leandro
Benedict Dr
Lake Chabot Rd
112
Doolittle Dr
Oakland International Airport
Martha Blvd
Washington Ave
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Oakland Reference Architecture

Coverage Maps

700 MHz

700 MHz Assumptions

- Maps are for informational purposes only.
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- Maps are based on Talk Back – Subscriber Unit to Base Station.
- All maps are based upon a reliability of approximately 95% Area Reliability.

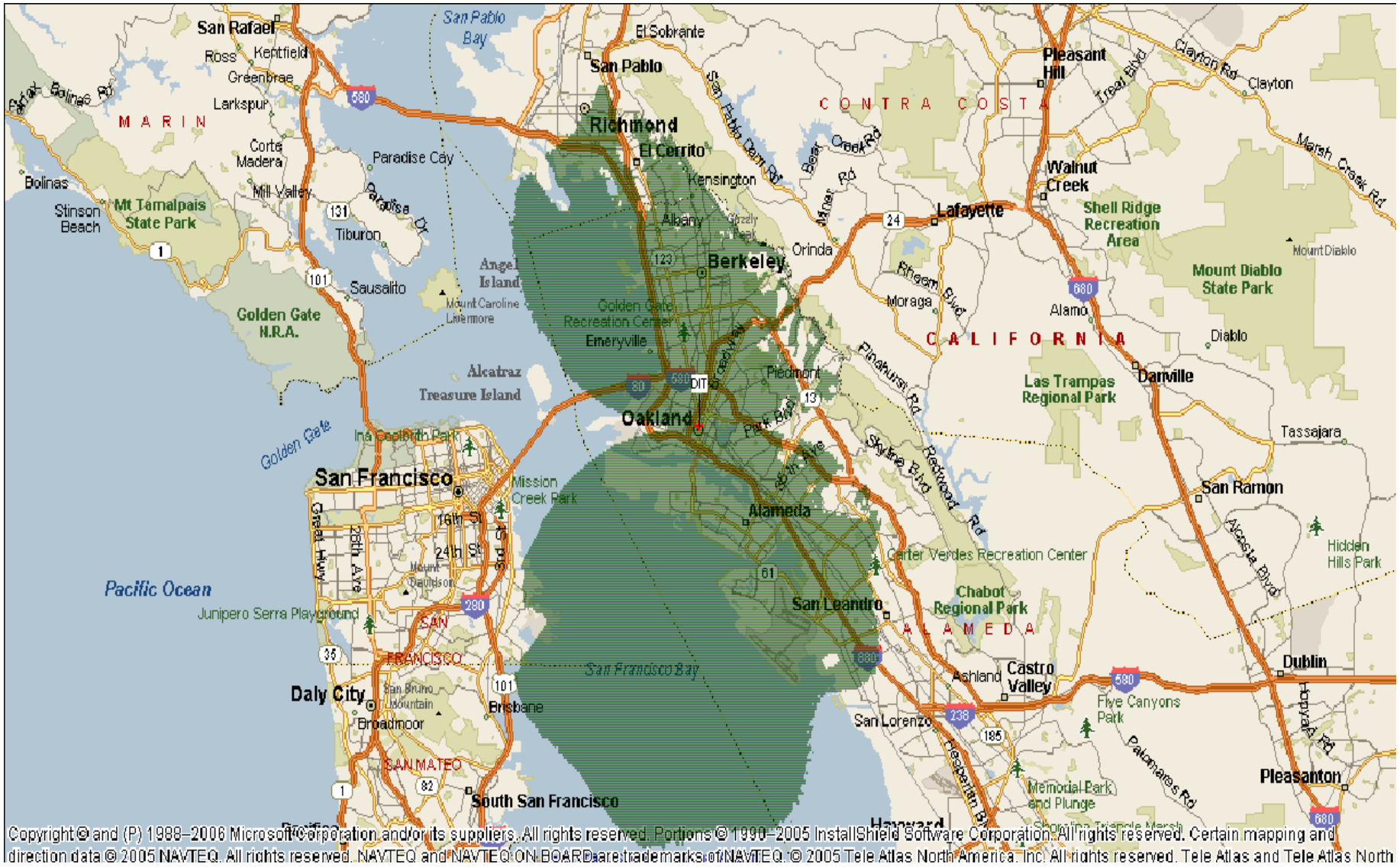
Map Legend – 700 MHz

Mobile Device to Base Station = -95 dBm

Composite – 700 MHz

Gwinnett – 700 MHz

DIT – 700 MHz



APL – 700 MHz

Seneca – 700 MHz

FS 28 – 700 MHz

SONOMA
S O L A N O
Rio Vista
SACRAMENTO
Novato
Vallejo
Suisun Bay
Benicia
San Pablo Bay
Rodeo
Point Reyes
National
Seashore
M A R I N
Marinwood
West
Pittsburg
Martinez
Antioch
Pittsburg
Pinole
Hercules
Oakley
Fairfax
San
Rafael
Concord
Ocean Lake
Kentfield
San Pablo
El Sobrante
Pelican Lake
Larkspur
Richmond
Clayton
San Pablo
Reservoir
Pleasant Hill
Brentwood
Mount Tamalpais 2571 ft
Corte Madera
C O N T R A C O S T A
El Cerrito
Mill Valley
Lafayette
Tiburon
Walnut Creek
Marsh Creek Rd
Albany
Orinda
Mount Diablo
Golden Gate N.R.A.
Moraga
San Joaquin
Berkeley
Alamo
Sausalito
Byron Hwy
Emeryville
C A L I F O R N I A
Piedmont
Danville
Oakland
Tassajara
P a c i f i c O c e a n
San
Francisco
Golden Gate
FS-28
Vasco Rd
Farallon
Islands
Tidal Canal
San Ramon
SAN FRANCISCO
Alameda
San
Leandro
Lake
Chabot
San Francisco
Bay
Tracy
Lake Merced
Ashland
Dublin
Daly City
San Bruno Mountain
Castro
Valley
Livermore
San Lorenzo
Pleasanton
South San Francisco
Pacifica
Hayward
San Bruno
A L A M E D A
Millbrae
Union City
Burlingame
Foster City
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San
Antonio
Reservoir
San Mateo
Newark
Scarper Peak
Belmont
San Carlos
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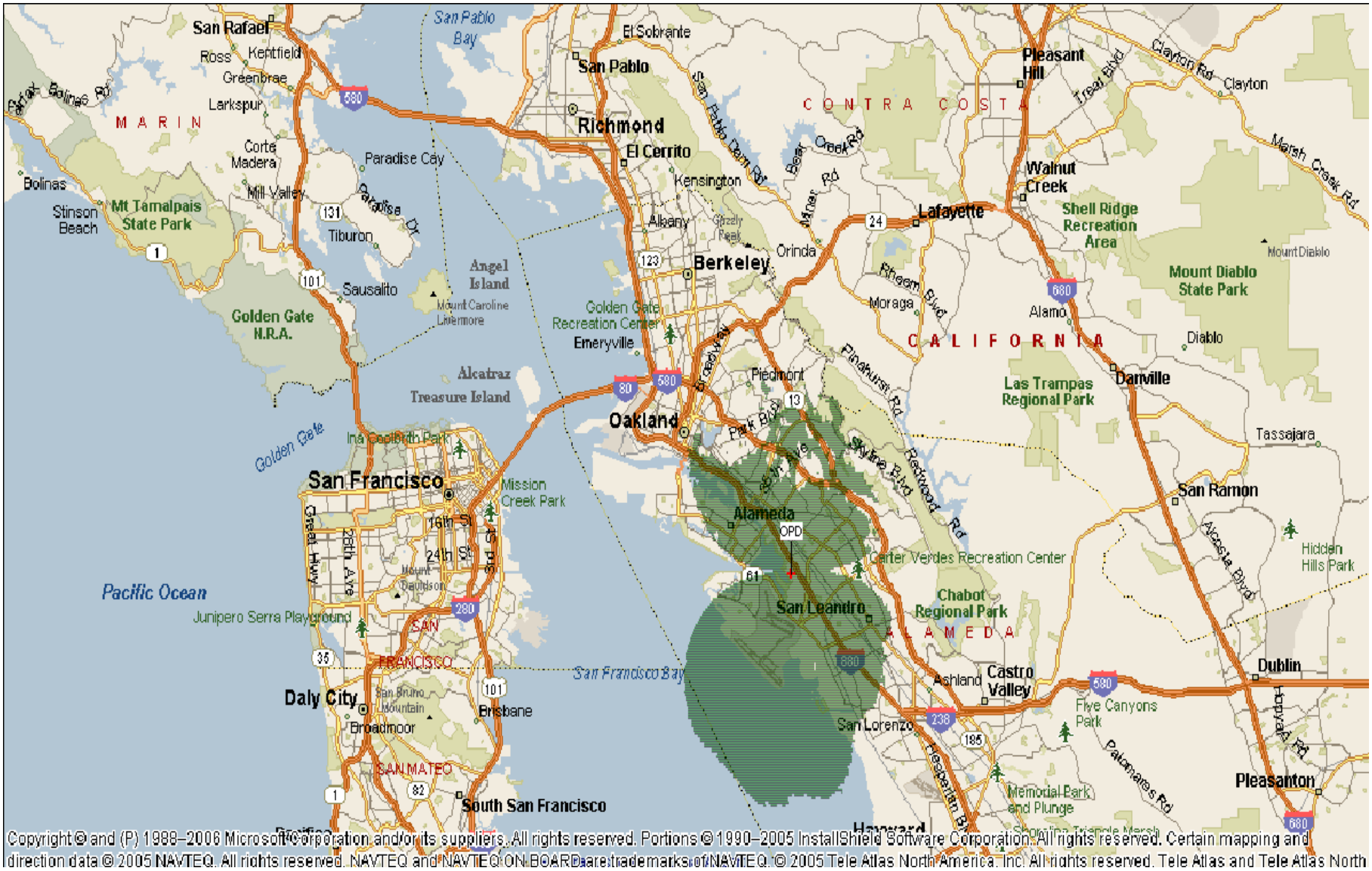
OPD – 700 MHz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Kentfield
Greenbrae
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Bolinas
Stinson Beach
Mt Tamalpais State Park
Tiburon
Sausalito
Angel Island
Golden Gate N.R.A.
Alcatraz Island
Treasure Island
Golden Gate
San Francisco
Pacific Ocean
Junipero Serra Playground
Daly City
Broadmoor
Brisbane
San Bruno Mountain
SAN FRANCISCO
SAN MATEO
South San Francisco
Mission Creek Park
Ina Coolbrith Park
16th St
24th St
Great Hwy
28th Ave
San Pablo Bay
San Francisco Bay
San Pablo
El Sobrante
Richmond
El Cerrito
Kensington
Albany
Berkeley
Oakland
Emeryville
Golden Gate Recreation Center
Piedmont
Alameda
OPD
San Leandro
Carter Verdes Recreation Center
Chabot Regional Park
ALAMEDA
Ashland
Castro Valley
San Lorenzo
Hayward
Memorial Park and Plunge
Pleasant Hill
Walnut Creek
Lafayette
Orinda
Moraga
Alamo
Shell Ridge Recreation Area
Mount Diablo State Park
Diablo
Danville
Las Trampas Regional Park
Tassajara
San Ramon
Hidden Hills Park
Dublin
Pleasanton
Five Canyons Park
Clayton
Marsh Creek Rd
Treat Blvd
Clayton Rd
Bear Creek Rd
Miner Rd
San Pablo Dam Rd
Rheem Blvd
Pinehurst Rd
Park Blvd
Skyline Blvd
Redwood Rd
Broadway
Alcosta Blvd
Hopyard Rd
Pleasanton Ridge
Pakmarans Rd
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