

PROPOSED KFTU-DT MAXIMIZATION APPLICATION
LOU THIRD STEP ANALYSIS USING LONGLEY-RICE PROPAGATION MODEL

INTERFERENCE CAUSED

Cell Size (km): 2.00
 Terrain Increment (km): 1.00
 Using Offset in Determining Thresholds

NEW-DT 30-43-38 112-04-15 36(Z) 1000.000 kw 715.6 m 90.0% 40.8 dBu

CABORCA SO

APP BPFS20041216ACG

Using DEFAULT vertical antenna pattern

| | Area | Pop* |
|--------------------------------|-------|------|
| within Noise Limited Contour | 50765 | 4683 |
| not affected by terrain losses | 44209 | 467 |

KFTUDT 31-28-55 109-57-32 36(N) 21.000 kw 2208 m DA 10.0% 40.8 dBu

DOUGLAS AZ

APP BPCDT20080514AFZ

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0.350 | 0.390 | 0.400 | 0.400 | 0.360 | 0.430 | 0.620 | 0.840 | 0.970 | 1.000 | 0.970 | 0.810 |
| 0.600 | 0.400 | 0.300 | 0.240 | 0.190 | 0.210 | 0.220 | 0.210 | 0.190 | 0.240 | 0.300 | 0.400 |
| 0.600 | 0.810 | 0.970 | 1.000 | 0.970 | 0.840 | 0.620 | 0.430 | 0.360 | 0.400 | 0.400 | 0.390 |

Ref Az: 20.0

Using DEFAULT vertical antenna pattern

D/U Baseline: 15.00

| | <u>Area</u> | <u>Pop*</u> |
|--------------|-------------|-------------|
| Interference | 20 | 0 (0.0) |

*US Population Only