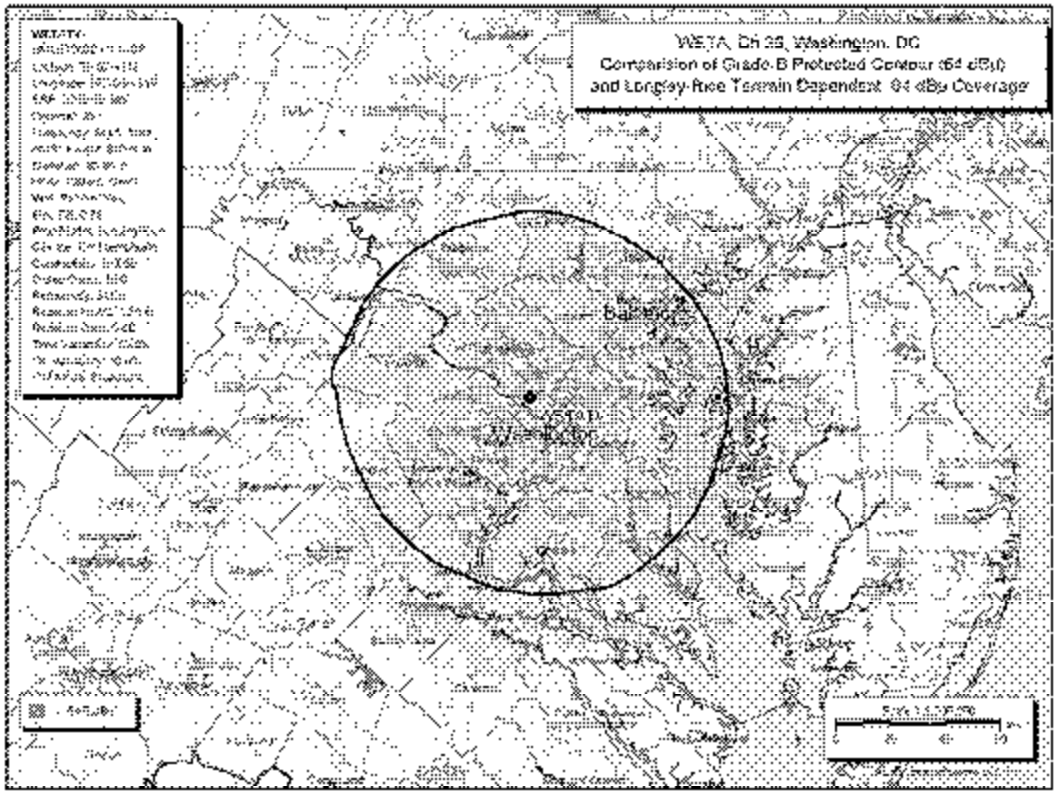
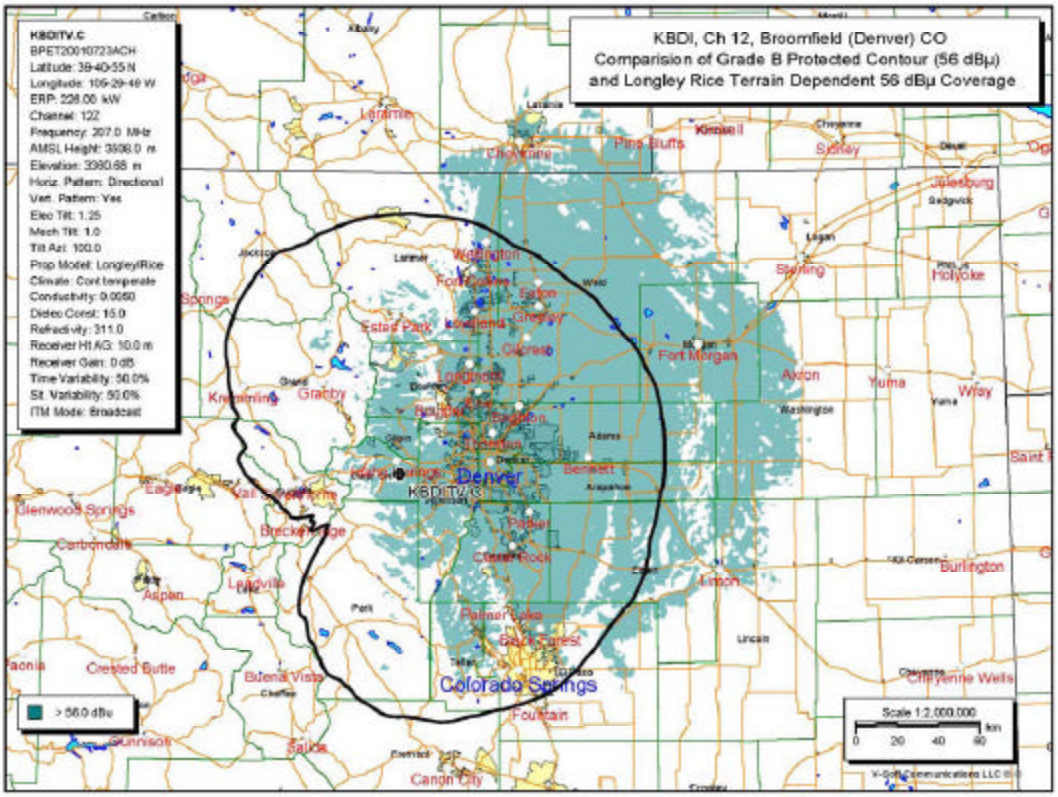
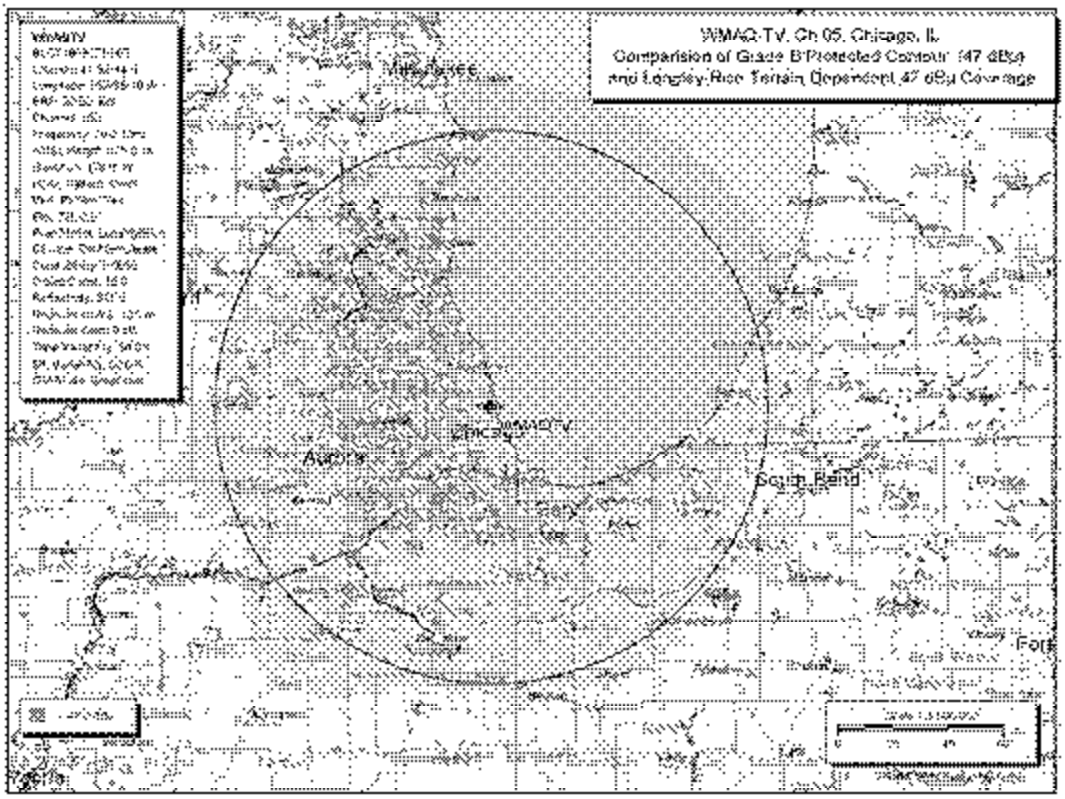
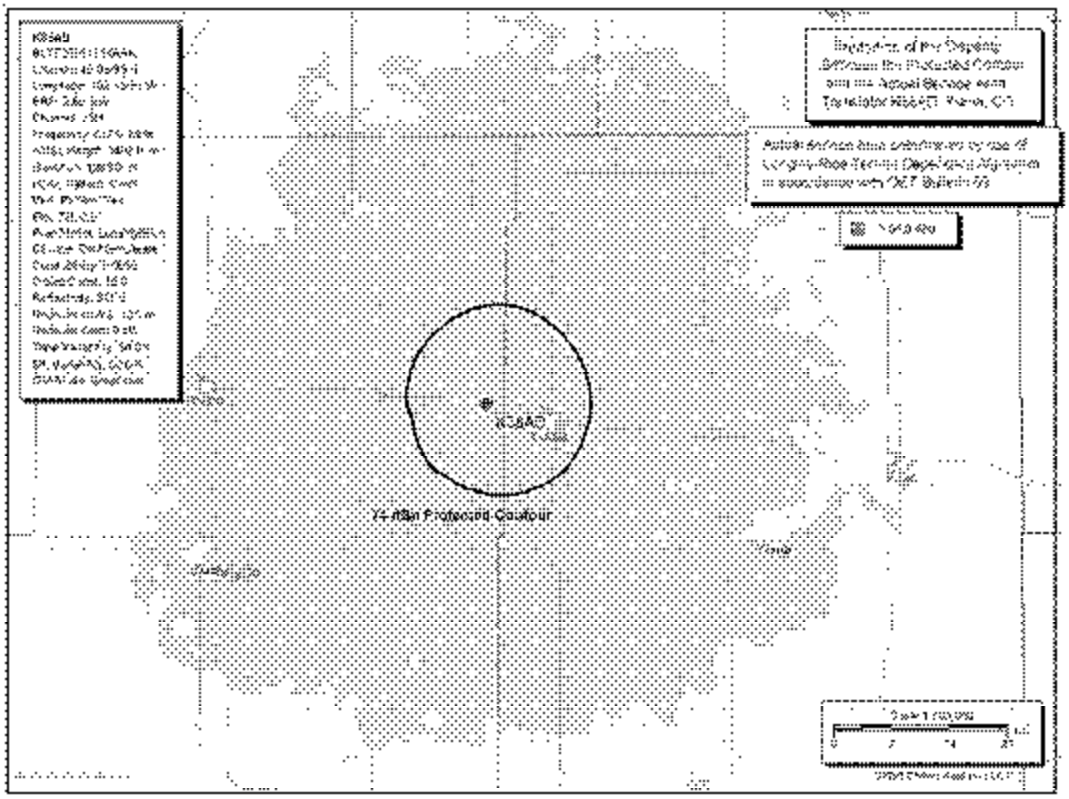
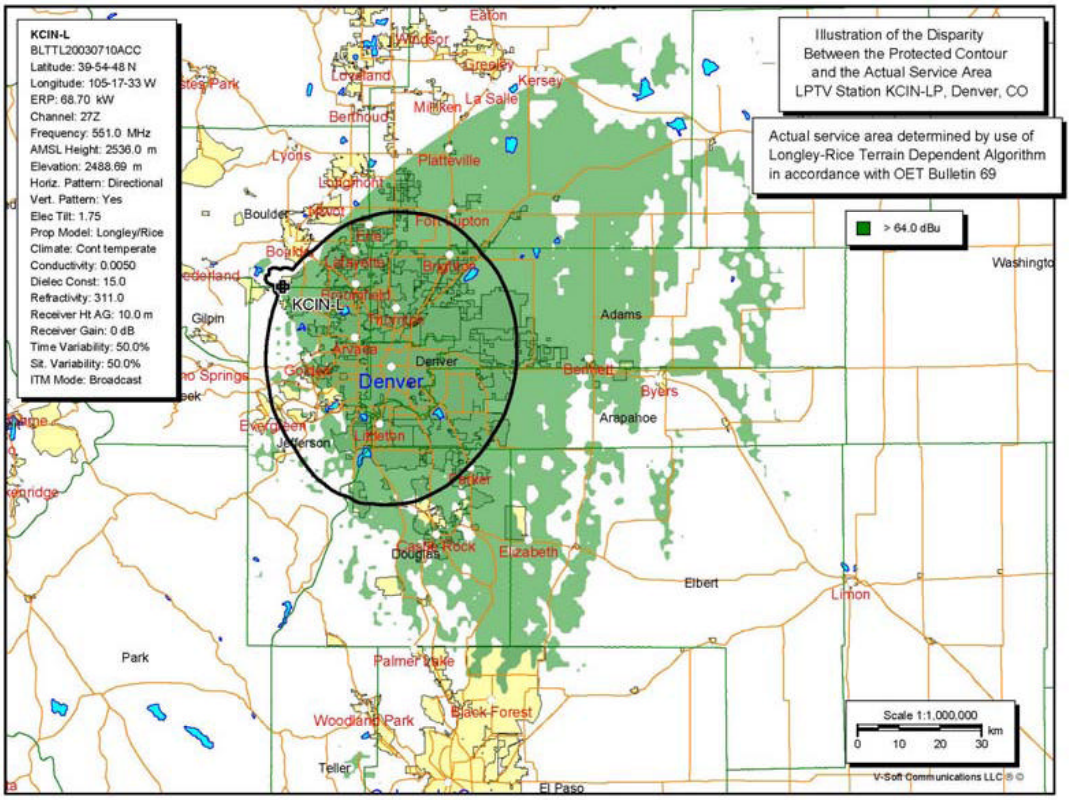
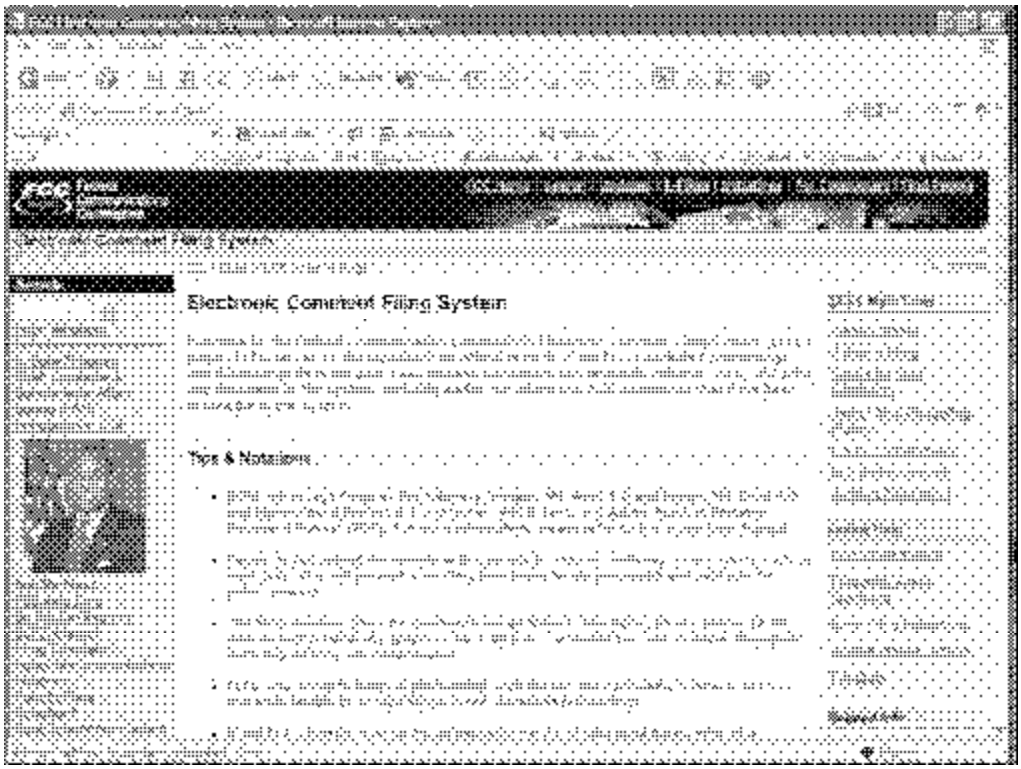

WETA, Ch 26, Washington, DC
Comparision of Grade B Protected Contour (64 dBμ)
and Longley-Rice Terrain Dependent 64 dBμ Coverage

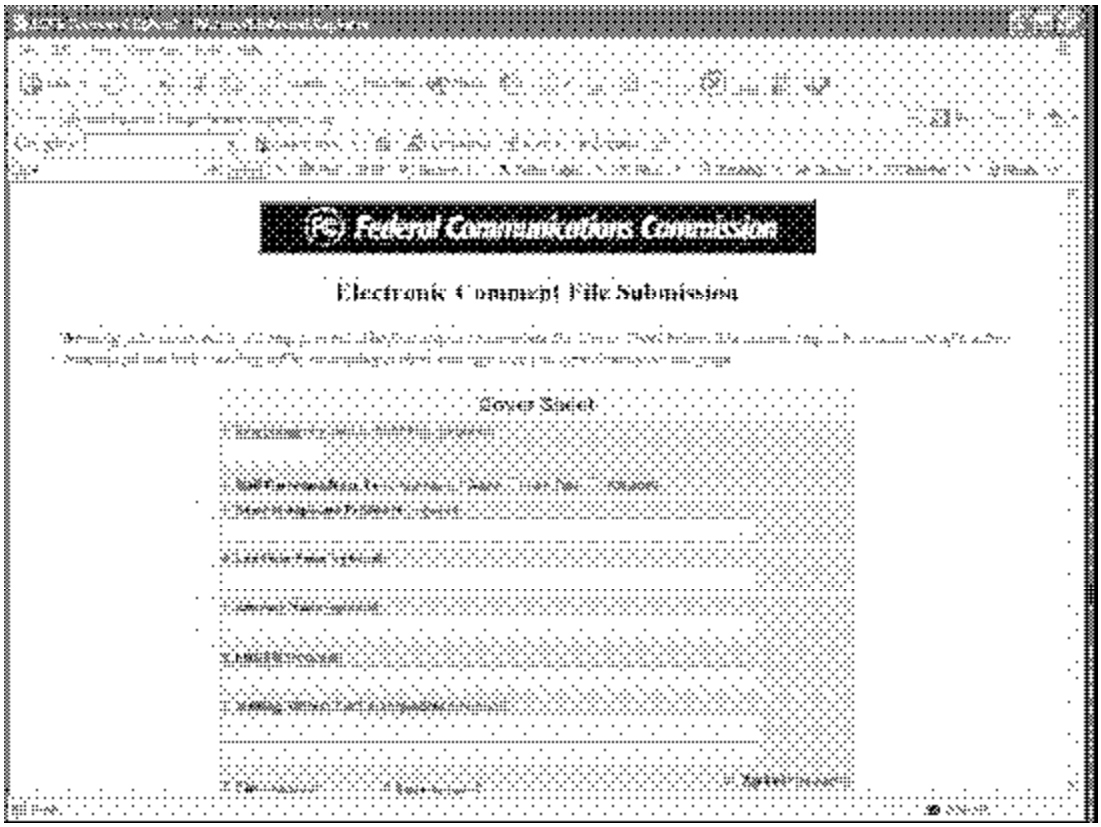

KBDI, Ch 12, Broomfield (Denver) CO
Comparision of Grade B Protected Contour (56 dBμ)
and Longley Rice Terrain Dependent 56 dBμ Coverage
KBDITV.C
BPET20010723ACH
Latitude: 39-40-55 N
Longitude: 105-29-46 W
ERP: 228.00 kW
Channel: 12
Frequency: 207.0 MHz
AMSL Height: 3508.0 m
Elevation: 3980.68 m
Horiz. Pattern: Directional
Vert. Pattern: Yes
Elec Tilt: 1.25
Mech Tilt: 1.0
Tilt Azi: 100.0
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 311.0
Receiver Ht AG: 10.0 m
Receiver Gain: 0 dB
Time Variability: 50.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast
> 56.0 dBu
Denver
KBDITV.C
Colorado Springs
Fort Morgan
Scale 1:2,000,000
0 20 40 80 km


WMAQ-TV, Ch 05, Chicago, IL
Comparision of Grade B Protected Contour (47 dBu)
and Longley-Rice Terrain Dependent (47 dBu) Coverage
WMAQ-TV
CHICAGO
Aurora
South Bend


Protected Contour


KCIN-L
BLTTL20030710ACC
Latitude: 39-54-48 N
Longitude: 105-17-33 W
ERP: 68.70 kW
Channel: 27Z
Frequency: 551.0 MHz
AMSL Height: 2536.0 m
Elevation: 2488.69 m
Horiz. Pattern: Directional
Vert. Pattern: Yes
Elec Tilt: 1.75
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 311.0
Receiver Ht AG: 10.0 m
Receiver Gain: 0 dB
Time Variability: 50.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast
Illustration of the Disparity
Between the Protected Contour
and the Actual Service Area
LPTV Station KCIN-LP, Denver, CO
Actual service area determined by use of
Longley-Rice Terrain Dependent Algorithm
in accordance with OET Bulletin 69
> 64.0 dBu
Scale 1:1,000,000
0 10 20 30 km
V-Soft Communications LLC ® ©
KCIN-L
Denver
Eaton
Windsor
Greeley
Kersey
Loveland
Milliken
La Salle
Berthoud
Lyons
Platteville
Longmont
Boulder
Fort Lupton
Erie
Brighton
Lafayette
Broomfield
Gilpin
Arvada
Denver
Adams
Bennett
Byers
Arapahoe
Evergreen
Jefferson
Littleton
Parker
Douglas
Castle Rock
Elizabeth
Elbert
Limon
Park
Palmer Lake
Woodland Park
Black Forest
Teller
El Paso


Electronic Comment Filing System
Tips & Notations


Federal Communications Commission
Electronic Comment File Submission
Cover Sheet