

KTWO-TV

BLCT2084

Latitude: 42-44-03 N

Longitude: 106-20-00 W

ERP: 100.00 kW

Channel: 02+

Frequency: 57.5 MHz

AMSL Height: 2569.0 m

Elevation: 2471.0 m

Horiz. Pattern: Omni

Vert. Pattern: Yes

Elec Tilt: 0.0

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

KTWO-TV-D.A

BMPCDT20080124ABB

Latitude: 42-44-26 N

Longitude: 106-21-34 W

ERP: 52.90 kW

Channel: 17

Frequency: 491.0 MHz

AMSL Height: 2494.9 m

Elevation: 2445.0 m

Horiz. Pattern: Directional

Vert. Pattern: Yes

Elec Tilt: 1.0

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: 90.0%

Sit. Variability: 50.0%

ITM Mode: Broadcast

KTWO

Net Population within FCC Regulatory Contours after accounting for any local terrain blockage using the Longley-Rice Terrain Dependent Algorithm per OET Bulletin 69

KTWO Analog

47 dBμ Grade B Regulatory Contour
Net Population 82,711

KTWO Digital Application

29.6 dBμ Regulatory Contour
Planning Factors Based
On Rural Reception Practices
Net Population 76,966

Note; In superstation configuration
with contribution from K11RN-LD
net population becomes: 80,664

KTWO-TV
KTWO-TV-D.A

Scale 1:2,000,000

0 20 40 60 km

10/30/2008

B. W. St. Clair Engineering Consultant
2355 Ranch Drive, Westminster, CO 80234
303-465-5742 FAX-4067 stcl@comcast.net