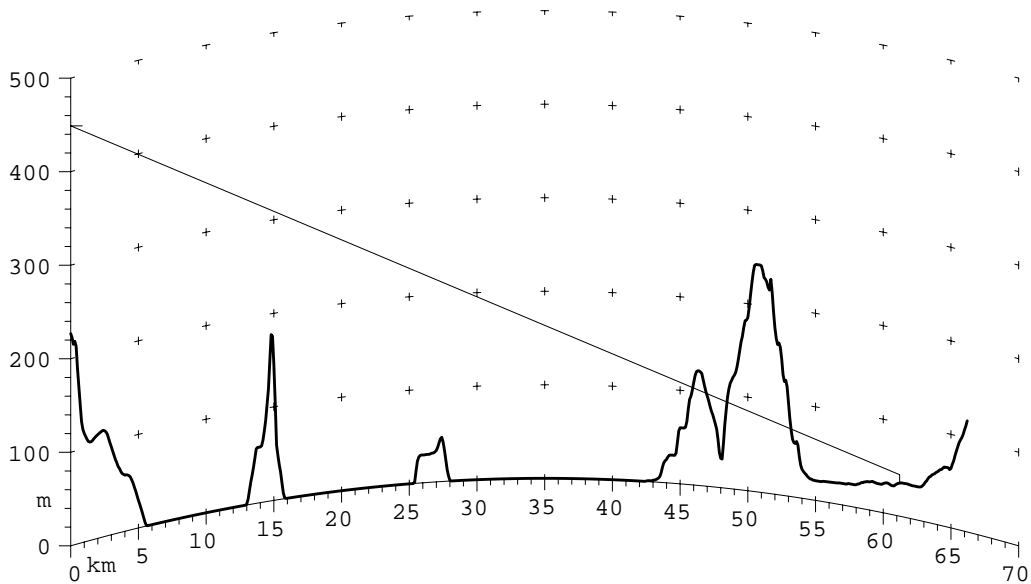


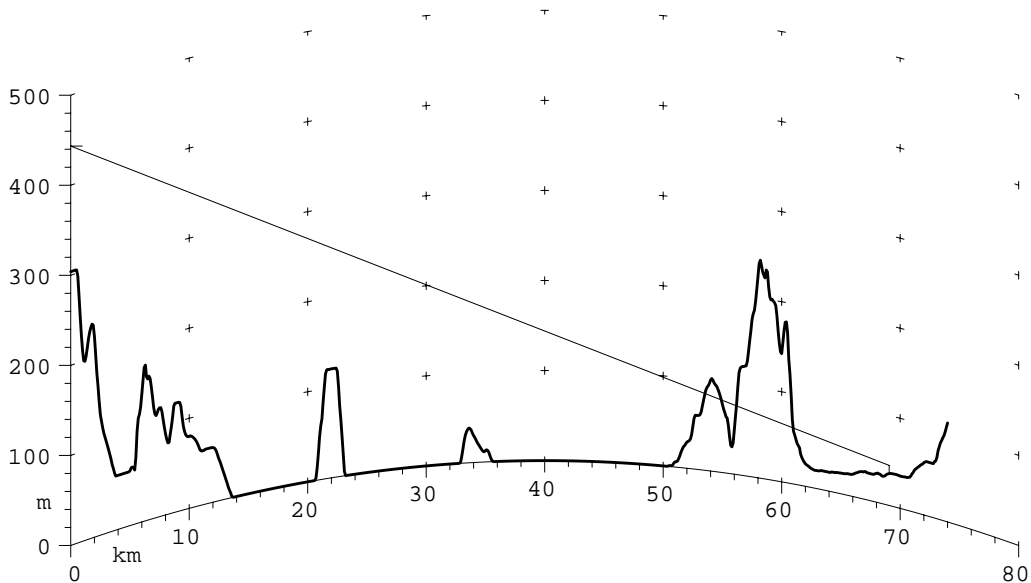
## Return To OTA

### Sutro Tower and San Bruno Mountain Terrain Profiles



37°45'19"N 122°27'06"W to 38°18'19"N 122°29'19"W, 4/3 earth, USGS 3" data

Terrain profile from the Sutro Tower to my house. This profile is based on the KBWB-DT, D19, transition period center-of-radiation height of 195 m AGL/449 m AMSL. The post-transition antenna height will be higher. The profile extends 5 km beyond my location.



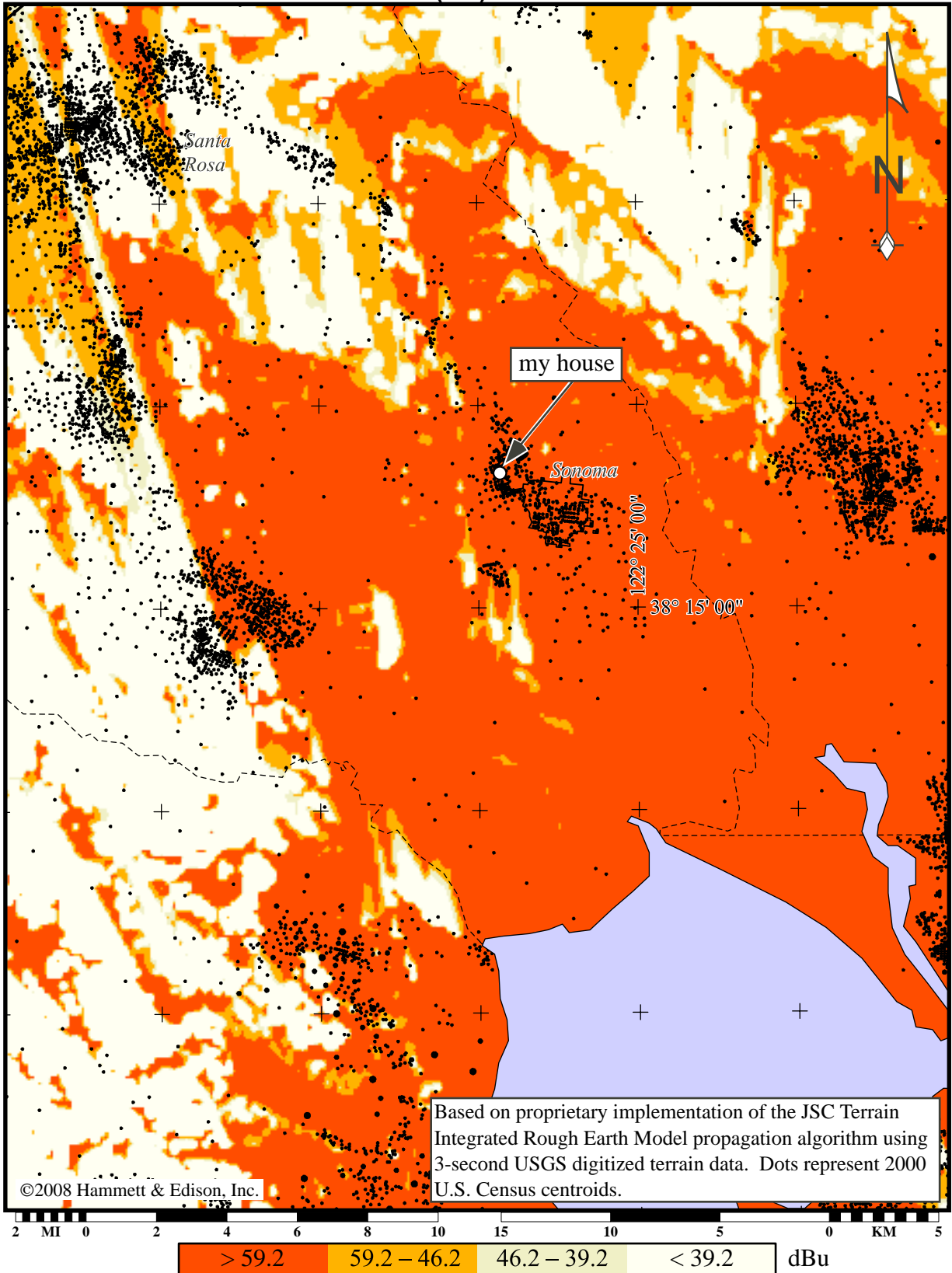
37°41'07"N 122°26'01"W to 38°18'19"N 122°29'19"W, 4/3 earth, USGS 3" data

Terrain profile from San Bruno Mountain antenna farm (the KNTV tower, Tower 10) to my house. The terrain profile again extends 5 km beyond my location. The KNTV-DT center-of-radiation height is 62.2 m AGL/443.5 m AMSL.



Return to OTA

KBWB-DT, D19, Terrain-Sensitive Coverage  
383 kW ERP (DA) at 418 m HAAT



## Return To OTA

### Mast Mounting and Cable Lead Ins



My “stealth” antenna installation. It turns out not to be at all obvious from the street.



## Return To OTA

### Rooftop Antenna



The antennas are comfortably above my front yard tree. The ground wire can be seen on the left-hand side of the picture.

## Return To OTA

### NEC Compliance



NEC810 compliance. A copper grounding wire would have cost about \$50 at its current price of \$0.65 per foot, so I substituted Number 8 aluminum ground wire.



## Return To OTA

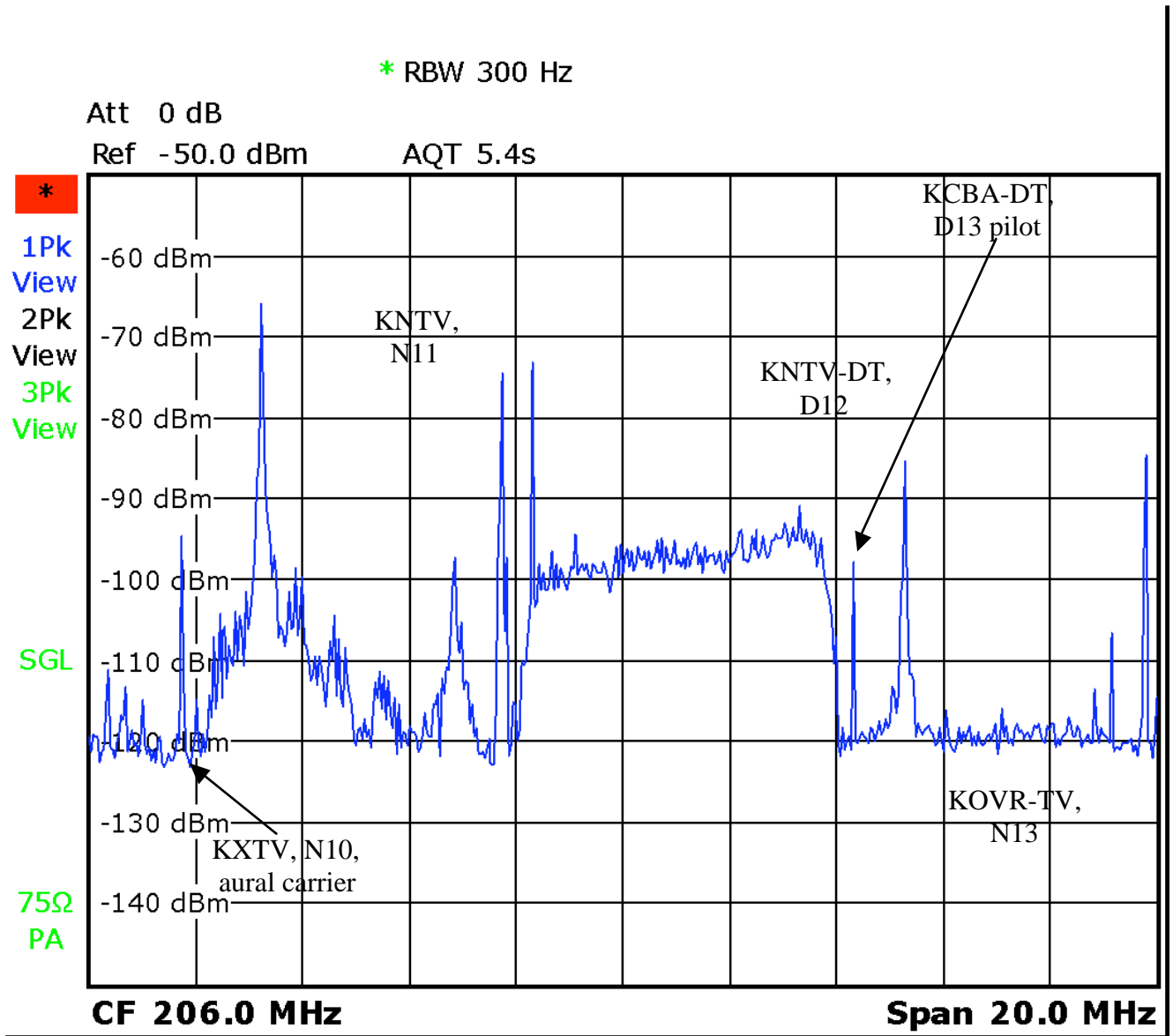
### Samsung HDTV Tuner



This is my primary HDTV tuner, a Samsung Model DBTH260F 8-VSB tuner. A nice, compact tuner with lots of options.

# Return To OTA

## VHF High Band Spectrum



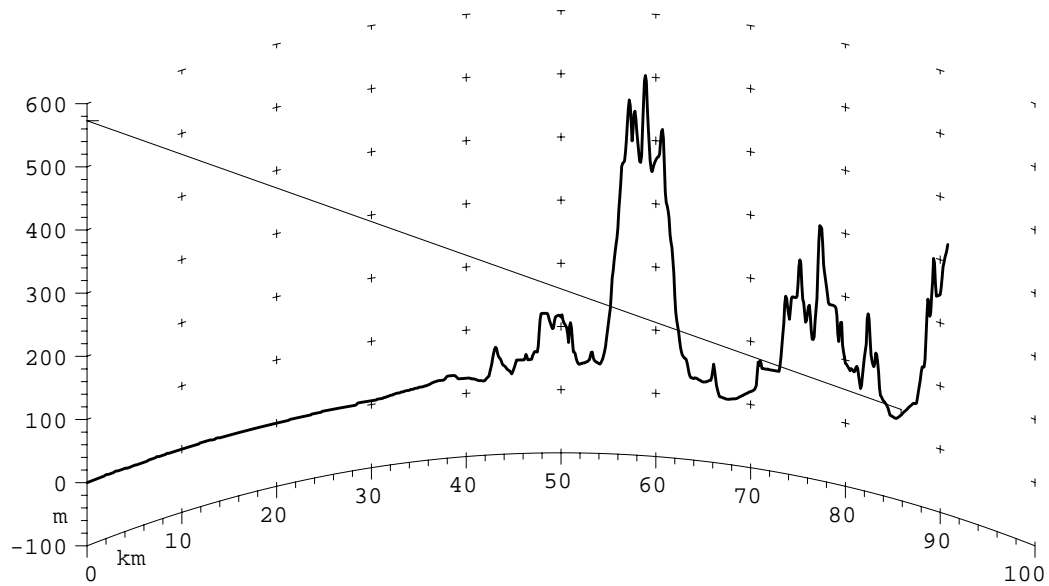
Date: 6.MAY.2008 16:44:30

The VHF high band as received at my house. My receiving antenna is aimed south, towards San Bruno Mountain. There is a surprising amount of KXTV and KOVR-TV signal strength from the Walnut Grove towers.



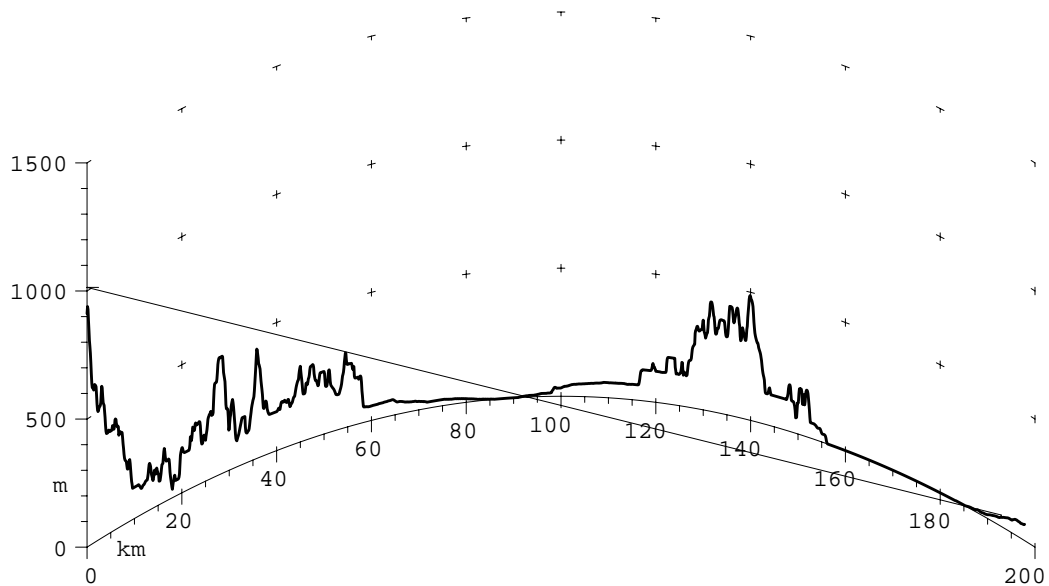
# Return To OTA

## Walnut Grove and Fremont Peak Terrain Profiles



38°16'18"N 121°30'18"W to 38°18'19"N 122°29'19"W, 4/3 earth, USGS 3" data

Terrain profile from the KVIE-DT, D53, antenna at Walnut Grove to my house. The profile extends 5 km beyond my location.



36°45'22"N 121°30'06"W to 38°18'19"N 122°29'19"W, 4/3 earth, USGS 3" data

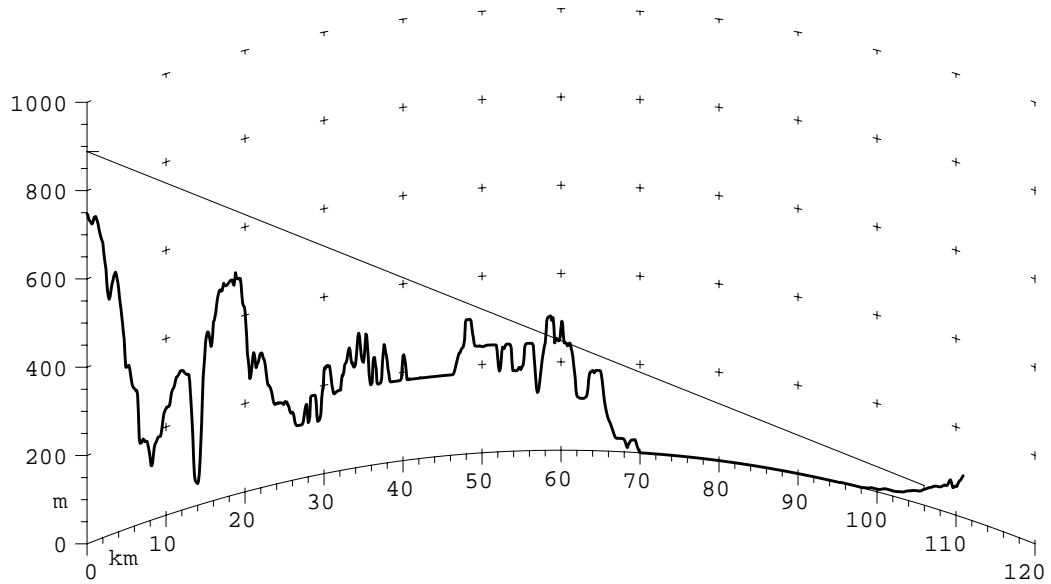
Terrain profile from KCBA-DT, D13, at Fremont Peak (near Salinas) to my house. The terrain profile again extends 5 km beyond my location.





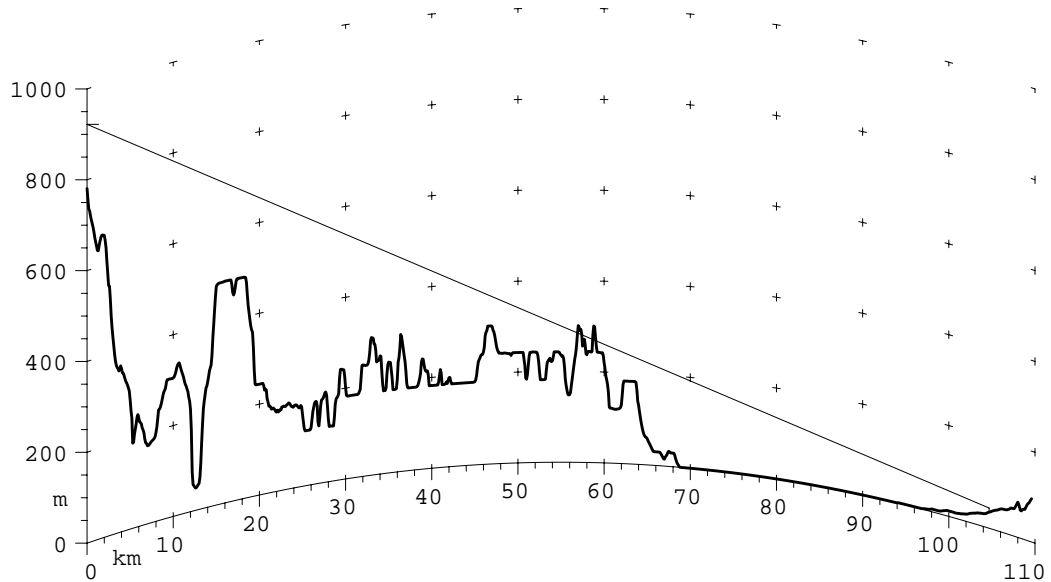
# Return To OTA

## Monument Peak and Mt. Allison Terrain Profiles



37°29'17"N 121°51'59"W to 38°18'19"N 122°29'19"W, 4/3 earth, USGS 3" data

Terrain profile from the KTEH-DT, D50, antenna at Monument Peak to my house. The profile extends 5 km beyond my location.



37°29'57"N 121°52'16"W to 38°18'19"N 122°29'19"W, 4/3 earth, USGS 3" data

Terrain profile from KSTS-DT, D49, at Mt. Allison to my house. The terrain profile again extends 5 km beyond my location.

# Return To OTA

## Sansonic CECB

**SANSONIC** **ATSC Digital-to-Analog Converter**  
FT-300A  
(cheaper than a new TV)

**\$40**  
**Coupon Rebate**  
Government Approved!

**Don't throw your analog TV's away yet.**

After February 19, 2009 you will still be able to receive network programs (digitally) on your older (analog) TV IF you purchase a Digital-to-Analog (ATSC) converter . . . or . . . you subscribe to a cable or satellite service.

If you do not have cable or satellite service, your analog TV will **REQUIRE** an Analog-to-Digital converter after February 19, 2009.

Use the \$40 government-issued coupons to buy converters for your older TV's. **Each US household is entitled to two \$40 coupons.**

**TV Broadcasting before Feb. 19, 2009**  
(Digital & Analog)

**TV Broadcasting after Feb. 19, 2009**  
(Digital only)

- ✓ On February 19, 2009 TV broadcasters will stop transmitting an analog signal.
- ✓ All analog (non-digital) TV's will require an **ATSC Analog-to-Digital converter** to receive network programming or the homeowner will need to pay for cable or satellite service.
- ✓ Sansonic's ATSC Converter connects easily to any analog TV.
- ✓ It is a cost effective way to continue watching older televisions that are not connected to cable or satellite (in children's rooms, the garage, basements etc.)
- ✓ Meets NTIA standards.
- ✓ Approved for \$40 government coupon. Each US household is entitled to 2 coupons.



A Sansonic Model FT-300A CECB. Very compact and works great.

## Return To OTA

### RCA CECB



An RCA Model DTA800B CECB. A definite disappointment. This CECB has significantly less sensitivity than the Sansonic CEBB or the Samsung HDTV tuner.