

# Squaw Mountain

## SITE SUMMARY SPREADSHEET

October 2002

The following Site Summary Spreadsheet provides a description of the individual site characteristics as well as the results of the reception tests. A description of the contents of each column is given here:

<b>Site #</b>	The assignment of a site # allows the reader to easily look up detailed information on any individual site in the individual site spreadsheets, other technical datasheets or terrain profiles in the appendices.
<b>Site Reception</b>	Site reception is listed in one of three categories:
<b>YES</b>	The DTV signal was received on one or more of the four receivers.
<b>**Y</b>	The DTV signal was not received on any of the four receivers, but the instrumentation indicated that it would have been received had the transmitter been operating at the full power recommended for DTV.
<b>NO</b>	The DTV signal was not received on any of the four receivers, and the instrumentation indicated that even with a full power transmitter, reception would not be achieved. A booster would be required for reception at this site.
<b>Description of the Test Site</b>	A street or other landmark is given to allow the reader to position the site.
<b>Coordinates</b>	GPS coordinates (NAD 83 datum) are given to precisely locate the site.
<b>Distance</b>	The distance from the transmitter is given in miles.
<b>Antenna Bearing</b>	(Referenced to Transmitter) The Bearing of a line drawn from the transmitter to the receive site, degrees with respect to True North.
<b>LOS</b> (Line-of-Sight)	Indicates whether the receive site has an unobstructed view of the transmitter site. If a line drawn from the Transmitter to the Receive Site on the terrain profile has no intersection with intervening terrain, the site is considered to have Line-of-Sight (Yes).
<b>Calculated dBμ</b> (at 15' height with 1 megawatt)	This is the signal strength at this site that would have been received at an antenna elevation of 15 feet, had the transmitter been operating at the full recommended DTV transmit power of 1 Megawatt. This is representative of the signal level that would be present at a typical outdoor antenna of a single story residence. The value listed is derived from the measured received power at the instrumentation receivers.
<b>Margin</b> (with 1 megawatt/vagi antenna at 15')	This is the amount (in dB) by which the received power would exceed that required to achieve reception with the test instrumentation, assuming that the receiver had a Yagi antenna at a height of 15 feet, and that the transmitter was operating at the full recommended transmit power of 1 Megawatt. The scale is logarithmic. 10 dB indicates that the power level is 10 times higher than required. 20 dB indicates that the power level is 100 times higher than required, and 30 db indicates that the power level is 1000 times higher than required for reception.