

# Squaw Mountain

## BOOSTER SITE SUMMARY

October 2002

Site #	Site Reception	Description of the TEST Site	Coordinates	Distance	Antenna Bearing referenced to transmitter	LOS	Calculated dBμ at 15' height with 1 megawatt	Margin with 1 megawatt/yagi antenna at 15'
200	YES	Manhattan Circle & South Boulder Road Boulder	39-59-08 N 105-13-36 W	2.2	302°	N	67 dBμ	20 dB
201	YES	Baseline – West of Cherryvale Bobolink Trailhead Parking Boulder	39-59-59 N 105-12-52 W	2.5	330°	Y	85 dBμ	38 dB
202	YES	Baseline & 55 <sup>th</sup> Street Boulder	40-00-01 N 105-13-35 W	2.9	320°	Y	74 dBμ	27 dB
203	YES	Baseline & 29 <sup>th</sup> Street Boulder	40-00-02 N 105-15-23 W	4.1	303°	Y	64 dBμ	16 dB
204	YES	Arapahoe & 28 <sup>th</sup> Street Boulder	40-00-49 N 105-15-40 W	4.8	310°	Y	64 dBμ	17 dB
205	YES	McArthur Road & Harrison Avenue East of 157 <sup>th</sup> Avenue & Arapahoe Rd Boulder	40-00-49 N 105-14-14 W	3.9	322°	Y	68 dBμ	21 dB
206	YES	Arapahoe Road East of Boulder Tech EP Center Boulder	40-00-52 N 105-11-30 W	3.2	360°	Y	72 dBμ	24 dB
207	YES ***	Mile Marker 58 – Arapahoe Rd past 76 <sup>th</sup> to East ½ West of Park Lake Rd and 1 Mile West of 95 <sup>th</sup> St – Boulder	40-00-52 N 105-09-18 W	3.7	31°	Y	73 dBμ	23 dB
208	YES	Valmont & 57 <sup>th</sup> Street Boulder	40-01-46 N 105-13-10 W	4.5	340°	Y	81 dBμ	32 dB
209	YES	Valmont & Kings Ridge Boulevard Boulder	40-01-46 N 105-14-22 W	4.9	329°	Y	84 dBμ	36 dB
210	YES	Valmont & 28 <sup>th</sup> Boulder	40-01-46 N 105-15-27 W	5.5	320°	Y	74 dBμ	27 dB
211	YES	4 <sup>th</sup> & Evergreen Boulder	40-01-51 N 105-17-29 W	6.8	309°	Y	73 dBμ	26 dB
212	YES	4 <sup>th</sup> & Kalmia Boulder	40-02-19 N 105-17-29 W	7.2	312°	Y	70 dBμ	23 dB
213	YES	Broadway and East of Quincy Boulder	40-02-53 N 105-16-51 W	7.3	319°	Y	66 dBμ	20 dB
214	YES	Yarmouth & Broadway Boulder	40-03-27 N 105-16-54 W	7.8	322°	Y	79 dBμ	32 dB
215	YES	Jay Road – ½ mile West of Diagonal Boulder	40-03-04 N 105-14-52 W	6.4	332°	Y	72 dBμ	24 dB
216	YES	28 <sup>th</sup> & Diagonal Boulder	40-02-08 N 105-15-32 W	5.8	322°	Y	76 dBμ	29 dB

\*\*\* The pilot carrier offset frequency data collected by the Rohde & Schwarz EFA 53 showed that the signal received at this location was not the On-Channel Booster, but was the main signal transmitted from Squaw Mountain.