

Proposed Booster Antenna Site
Channel Spacings Study

REFERENCE 38 15 54 N 112 37 13 W	CH# 249A - 97.7 MHz, Pwr= 0.3 kw, HAAT=-117.6 M, COR= 1874 M Average Protected F(50-50)= 7.42 km Ave. F(50-10) 40 dBu= 24.9 54 dBu= 10.6 80 dBu= 2.4 100 dBu= 1.2	DISPLAY DATES DATA 04-12-05 SEARCH 04-14-05
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CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kw) HAAT(M)	COR(M) INT(km)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
249C Elsinore	AL249	RSV UT	88.6 268.6	40.85 RM10772	38 16 23 112 09 13	100.000 783	2938 209.5	98.9	-171.33	-66.64*
249C Elsinore	KLGL.A	APP NCX UT	57.7 237.7	57.88 BPH20040621AAJ	38 32 30 112 03 31	41.000 1032	3353 202.5	95.8 Sanpete County Broadcastin	-146.25	-42.29*
249D Rural Garfield, Etc	K249CN	LIC DVN UT	57.0 237.0	56.87 BLFT19971112TE	38 32 31 112 04 21	0.009 1243	3437 67.8	17.6 Garfield County	-12.51	34.88
248C Richfield	KLGL	LIC NCX UT	31.8 211.8	138.61 BLH20020823AAL	39 19 17 111 46 11	66.000 830	2628 140.4	95.9 Sanpete County Broadcastin	-3.30	40.56
246D Beaver	K246AO	CP UT	310.0 130.0	4.91 BNPFT20030829ADY	38 17 36 112 39 48	0.115 -134	1873 0.8	5.8 Radio Assist Ministry, Inc	-5.65*	-2.14*
249D Milford	AP249	APP UT	296.3 116.3	64.76 BNPFT20030314CFN	38 31 14 113 17 12	0.010 1068	2938 65.2	17.4 Brigham Young University	-12.99	4.13
249D Cedar City	K249DR	CP UT	211.5 31.5	77.89 BNPFT20030826ABS	37 40 00 113 05 00	0.005 93	1877 14.8	4.7 Radio Assist Ministry, Inc	61.52	69.03
251C Brian Head	KREC^	LIC UT	206.2 26.2	89.37 BLH19881123KC	37 32 32 113 04 05	100.000 412	2908 11.7	80.6 Bonneville Holding Company	76.05	8.69
247D Parowan	K247AY	CP UT	201.1 21.1	50.29 BNPFT20030829ADX	37 50 32 112 49 35	0.040 68	1837 0.4	6.7 Radio Assist Ministry, Inc	48.24	43.54
251D Elsinore	K252CO	CP UT	49.8 229.8	63.79 BPFT20040505ABG	38 38 01 112 03 35	0.001 905	2696 0.1	6.4 Mid-utah Radio, Inc.	62.11	57.38
252D Elsinore	K252CO	LIC UT	49.8 229.8	63.79 BLFT20030609AAX	38 38 01 112 03 35	0.010 898	2689 0.2	16.3 Mid-utah Radio, Inc.	61.96	47.48
247D Milford	AP247	APP UT	296.3 116.3	64.76 BNPFT20030314CFK	38 31 14 113 17 12	0.010 1068	2938 0.2	17.4 Brigham Young University	51.98	46.24
247D Cedar City	K247AG	LIC DVN UT	207.4 27.4	78.34 BLFT19990112TH	37 38 18 113 01 49	0.005 282	2652 0.2	8.1 Utah State University	76.57	70.17
246D Kanarraville	AP246	APP UT	210.9 30.9	100.52 BNPFT20030314ABI	37 29 13 113 12 18	0.023 19	1879 0.3	3.9 Iron County	98.57	96.61

ERP and HAAT are on direct line to and from reference station.
 "*"Affixed to 'IN' or 'Out' values = site inside protected contour.
 ^ = Power and antenna height 'Max classed' as per Sec 73.215 protection requirements