

KLZX Proposed New Booster
Proposed Booster Antenna Site

REFERENCE CH# 240D - 95.9 MHz, Pwr= 5 kw, HAAT=454.0 M, COR= 1760 M DISPLAY DATES
 41 44 54 N Average Protected F(50-50)= 52.66 km DATA 10-20-04
 112 13 37 W Ave. F(50-10) 40 dBu= 128.3 54 dBu= 79.2 80 dBu= 19.6 100 dBu= 4.3 SEARCH 10-20-04

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*
240A Weston	KLZX	LIC C ID	53.0 233.0	27.61 BLH20001031ACK	41 53 50 111 57 39	0.500 358	1757 82.3	29.0 Sun Valley Radio Inc	-75.99	-68.59*
240C3 Weston	KLZX.C	CP CX ID	68.3 248.3	37.36 BPH20020404AAH	41 52 18 111 48 31	25.000 403	1750 152.7	65.5 Sun Valley Radio Inc	-140.47	-104.38*
238C1 Ogden	KYFOFM	LIC CN UT	180.8 0.8	55.38 BLED19981125KD	41 14 59 112 14 11	100.000 228	1509 8.8	66.3 Bible Broadcasting Network	7.16	-13.46*
242C Provo	KXRK	LIC CX UT	179.0 359.0	120.95 BLH20021113AAN	40 39 34 112 12 05	25.000 1358	2803 10.0	95.7 Simmons-slc, Ls, Llc	70.64	22.69
240D Salt Lake City	AP240	APP DE UT	164.8 344.8	108.17 BNPFT20030314AIB	40 48 29 111 53 25	0.012 513	1818 48.2	13.4 Mario Hieb	13.03	-23.02
240D Salt Lake City	AP240	APP DC UT	164.8 344.8	108.19 BNPFT20030314BYV	40 48 29 111 53 22	0.000 472	1778 0.0	0.0 Airwaves, Inc.	61.21	-9.66
240D Mill Creek	AP240	APP C UT	164.8 344.8	108.19 BNPFT20030310BJY	40 48 29 111 53 22	0.010 517	1823 46.2	12.7 Utah State University Of A	14.99	-22.38
240D Evanston	K240CP	LIC DVN WY	111.4 291.4	118.75 BLFT19961025TB	41 21 04 110 54 20	0.008 540	2589 44.9	12.1 western Inspirational Broa	33.25	4.03
240D Salt Lake City	AP240	APP DC UT	179.0 359.0	121.72 BNPFT20030317HVP	40 39 09 112 12 05	0.001 1191	2706 40.3	6.5 Your Christian Companion N	41.20	10.88
240D Grantsville	AP240	APP C UT	189.6 9.6	127.27 BNPFT20030317MPK	40 37 06 112 28 47	0.250 56	1345 32.8	9.8 Radio Assist Ministry, Inc	59.03	22.06
240D South Jordan	AP240	APP DC UT	172.5 352.5	137.82 BNPFT20030317LWT	40 31 04 112 00 52	0.005 43	1531 10.1	3.2 Radio Assist Ministry, Inc	84.08	23.39
240D Sandy	AP240	APP C UT	168.1 348.1	139.10 BNPFT20030317MML	40 31 21 111 53 13	0.250 55	1363 32.6	9.8 Radio Assist Ministry, Inc	60.92	14.21

ERP and HAAT are on direct line to and from reference station.
 "*"Affixed to 'IN' or 'Out' values = site inside protected contour.

Spacings Study Key for Use

The computer printout on the preceding page should be self-explanatory for the most part. The parameters of the station being checked, (reference station) are printed in the heading. The 60 dBu protected contour is predicted from the Commission's F(50-50) table, while the 40, 54, 80 and 100 dBu contours are interference contours derived from the Commission's F(50-10) table. Contour distances are in kilometers and are predicted using spline interpolation from data points identical to those published in Report No. RS 76-01 by Gary C. Kalagian. Critical contour distances are determined using the Commission's TVFMINT FORTRAN subroutine. When interference contour distances are less than 16 kilometers the F(50-50) tables are used. If signal contour distances are less than 1.6 km the free-space equation is used.

The column listed "* IN *" is the sum of the reference station's 60 dBu protected contour and the data file station's interference contour subtracted from the distance between the stations. (All distances are derived by the method detailed in Sec. 73.208 of the Rules and Regulations as amended in Docket 80-90.) Therefore, the column is a measure of incoming interference. Negative distances in this column indicate the presence of interference. Listed antenna heights are the average heights of eight standard radials as found in the Commission's records unless otherwise noted, in which case the specific antenna heights and the DA power, if applicable, along the straight line azimuths between the reference station and the database station are used and visa versa. The column labeled "* OUT *" shows the distance in kilometers of overlap or clearance between the reference station's interference contour and the database station's protected contour. Negative distance figures in this column indicate outgoing overlap interference.

Under the "AZIMUTH" column, the first row of numbers indicate the bearings from True North of the data base stations in relationship with the reference station, while the numbers in the second row indicate the reverse bearings from the database station to the reference station. The columns labeled "INT" and "PRO" hold the distance in kilometers of the appropriate interference contour and the protected contour of a data base station. For I.F. relationships the "IN" and "OUT" columns change their significance. The letter "R" stands for the minimum required distance in kilometers, while the letter "M" in the next column follows the available clear space separation in kilometers. Minimum separation distances when displayed are taken from Sec 73.207 of the rules as amended.

Canadian and Mexican separation distances, U/D ratios and protected contour values are from the US/Mexican Working Agreement and the US/Canada Working Agreement". The first three letters of the "TYPE" column identify the current FCC status of the stations. The fourth letter will be a "D" if the facility is directional. "Z" indicates a 73.215 directional. An "N" indicates it is a 73.215 station that operates omni. The fifth letter will be an E, H or V depending on the type of antenna polarization. The sixth letter will be a "Y" if the antenna uses beam tilt or an "X" if the commission is not sure, otherwise it will be an "N".