

KBLQ FM1 Minor Change in Booster License

Proposed KBLQ FM1 Antenna Site

REFERENCE CH# 225D - 92.9 MHz, Pwr= 11.4 kw, HAAT=458.0 M, COR= 1764 M DISPLAY DATES
 41 44 54 N Average Protected F(50-50)= 60.84 km DATA 10-20-04
 112 13 37 W Ave. F(50-10) 40 dBu= 143.0 54 dBu= 90.7 80 dBu= 24.5 100 dBu= 5.9 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*
225C1 Logan	KBLQFM	LIC UT	CX 68.3 248.3	37.36 BLH20040129AJH	41 52 18 111 48 31	100.000 399	1746 182.7	79.7 Sun Valley Radio, Incorpor	-171.45	-120.61*
225D Pleasant View	KBLQF1	LIC UT	DC 158.1 338.1	48.75 BLFTB20020326ABJ	41 20 28 112 00 32	0.004 276	1584 25.7	7.5 Sun Valley Radio, Inc.	-37.08*	-100.49
227C Salt Lake City	KUBLFM	LIC UT	CX 179.0 359.0	120.95 BLH20021203ACG	40 39 34 112 12 05	25.000 1358	2803 10.0	95.7 Citadel Broadcasting Compa	56.91	20.40
223C Rupert	KKMV	LIC ID	CY 300.3 120.3	131.23 BLH19941114KB	42 20 03 113 36 12	24.000 794	2541 9.0	84.0 Tri-market Radio Broadcast	107.61	46.51
223D Ogden	K223AK	LIC UT	DCN 159.8 339.8	62.44 BLFT19981116TA	41 13 14 111 58 09	0.250 43	1373 1.1	8.5 Utah St.u/ Of Agri. & Appl	1.41	48.21
225D Pocatello	AP225	APP ID	C 352.4 172.4	120.99 BNPFT20030317ECI	42 49 40 112 25 23	0.250 -296	1419 23.8	7.1 Max T. Nichols	91.16	93.73
225D North Salt Lake	AP225	APP UT	DV 179.0 359.0	121.56 BNPFT20030317MXG	40 39 14 112 12 08	0.011 1221	2718 70.0	19.0 Michael C. Cusinato	-2.40	-27.59
223C3 Coalville	KCUA	LIC UT	ZEX 141.1 321.1	107.08 BLED20020826AAT	40 59 45 111 25 36	1.500 240	2084 2.4	30.9 3 Point Media - Coalville,	44.73	70.51
223C2 South Jordan	KUUU.A	APP UT	CX 179.0 359.0	120.92 BPH20040406ABX	40 39 35 112 12 05	0.500 1336	2779 1.6	54.1 Millcreek Broadcasting, L.	65.36	61.88
223C2 South Jordan	AL223	RSV UT	179.0 359.0	120.92 RM10764	40 39 35 112 12 05	50.000 1194	2637 13.5	101.3	53.48	14.68
223C2 South Jordan	KUUU.A	APP UT	CX 179.0 359.0	120.92 BPH20040406ABX	40 39 35 112 12 05	0.500 1336	2779 1.6	54.1 Millcreek Broadcasting, L.	65.36	61.88
225D Sandy	AP225	APP UT	C 167.6 347.6	133.15 BNPFT20030317BMR	40 34 37 111 53 20	0.010 89	1384 17.9	5.5 Educational Media Foundati	57.23	-10.05
228D Laketown	K228EP	CP UT	C 80.3 260.3	80.66 BNPFT20030828BFW	41 51 57 111 16 09	0.011 412	2315 0.2	12.0 Christina Preziosi	54.11	67.39

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".