

K240BZ Move to KCYQ Tower CH# 242D - 96.3 MHz, Pwr= 0.01 kW, HAAT=1476.3 M, COR= 3350 M Average Protected F(50-50)= 19.81 km Ave. F(50-10) 40 dBu= 74.2 54 dBu= 35.3 80 dBu= 2.2 100 dBu= .2											
DISPLAY DATES DATA 06-09-04 SEARCH 06-10-04											
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*	
240D Rural	K240BZ Garfield, Etc	LIC DVN UT	245.7 65.7	1.35 BLFT19941109TD	38 32 12 112 04 22	0.005 547	3431 0.2	10.5 Garfield County	-2.16*<	-9.21*<	
242D Beaver	AP242	APP C UT	242.5 62.5	59.57 BNPFT20030317MRX	38 17 36 112 39 48	0.115 -194	1873 19.3	5.8 Radio Assist Ministry, Inc	36.56	26.22	
244C Richfield	RADD	ADD UT	16.0 196.0	90.11	39 19 17 111 46 11	100.000 276	2097 9.7	70.5 Micro Communications, Inc.	76.93	19.62	
239C1 Delta	KMGR	LIC CN UT	337.0 157.0	76.48 BLH19891025KB	39 10 30 112 24 20	100.000 30	1494 3.2	31.0 3 Point Media - Delta, Lic	70.05	45.48	
244C Levan	RDEL	DEL UT	30.5 210.5	102.75	39 20 12 111 27 06	100.000 -66	2782 3.2	31.0 Micro Communications, Inc.	96.91	71.75	
244C Levan	KCFM	LIC HX UT	30.5 210.5	102.75 BLH20011105ABA	39 20 12 111 27 06	67.000 339	3187 9.6	71.2 Micro Communications, Inc.	90.42	31.54	
244C1 Levan	AL244	RSV UT	11.8 191.8	115.44 RM9789	39 33 32 111 46 55	100.000 593	2782 13.6	91.5	98.15	23.86	
242D Milford	AP242	APP C UT	269.1 89.1	107.11 BNPFT20030314CEV	38 31 14 113 17 12	0.010 1021	2938 64.0	17.1 Brigham Young University	39.81	63.13	
244D Panguitch	K244DC	LIC DHN UT	203.7 23.7	87.21 BLFT19880506TC	37 49 19 112 27 28	0.048 88	2097 0.5	8.0 Panguitch City	74.36	79.02	
244D Rural	K244CR Garfield Coun	LIC DHN UT	169.5 349.5	88.71 BLFT19880318TG	37 45 21 111 52 27	0.017 372	3208 0.3	12.8 Garfield County	76.48	75.67	
243D Milford	AP243	APP C UT	269.1 89.1	107.11 BNPFT20030314CEY	38 31 14 113 17 12	0.010 1021	2938 28.5	17.1 Brigham Young University	75.26	83.66	
241D Milford	AP241	APP C UT	269.1 89.1	107.11 BNPFT20030314CES	38 31 14 113 17 12	0.010 1021	2938 28.5	17.1 Brigham Young University	75.26	83.66	
243D Parowan	K243AG	LIC DVN UT	225.9 45.9	111.33 BLFT19950324TA	37 50 32 112 58 10	0.007 290	2059 12.8	9.1 Iron County	90.60	88.32	

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

HOW TO READ THE FM COMPUTER PRINT-OUT

The computer printout 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".