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Nephi Booster as Proposed

Note: There are no 1st adjacent Relationships

CH# 248D - 97.5 MHz, Pwr= 0.5 kW, HAAT=0.0 M, COR= 1766 M

Average Protected F(50-50)= 8.5 km

Ave. F(50-10) 40 dBu= 28.5 54 dBu= 12.0 80 dBu= 2.7 100 dBu= 1.6

DISPLAY DATES

DATA 07-30-02

SEARCH 07-30-02

REFERENCE 39 43 24 N 111 55 44 W	CH#	248D	-	97.5 MHz, Pwr= 0.5 kw, HAAT=0.0 M, COR= 1766 M	Average Protected F(50-50)= 8.5 km	Ave. F(50-10) 40 dBu= 28.5 54 dBu= 12.0 80 dBu= 2.7 100 dBu= 1.6	DISPLAY DATES DATA 07-30-02 SEARCH 07-30-02			
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*
248C Richfield	KLGL	LIC C UT	163.2 343.2	46.42 BLH20010103ABA	39 19 23 111 46 23	66.000 695	2604 194.5	91.1 Sanpete County	-156.57<	-73.20<
248C Richfield	KLGL.C	CP NC UT	163.0 343.0	46.68 BPH20010625ABG	39 19 17 111 46 11	66.000 718	2628 195.9	91.9 Sanpete County	-157.69<	-73.75<
248C Richfield	ALLO	USE UT	187.3 7.3	106.69	38 46 12 112 05 06	100.000 600	0 197.8	91.8	-99.58<	-13.66
246C Salt Lake City	KISNFM	CP CX UT	347.6 167.6	106.50 BPH20011210AAM	40 39 34 112 12 05	25.000 1140	2803 9.8	92.3 Clear Channel	88.15	12.67
250C Ogden	ALLO	USE UT	347.6 167.6	106.53 RM9500	40 39 35 112 12 05	100.000 600	0 13.7	91.8	84.33	13.14
246C Salt Lake City	KISNFM	LIC CN UT	347.6 167.6	106.53 BMLH19890328KA	40 39 35 112 12 05	30.000 1113	2775 10.6	93.8 Clear Channel	87.41	11.12
250C Ogden	KBZN	LIC CN UT	347.6 167.6	106.53 BLH19781208AG	40 39 35 112 12 05	26.000 1149	2801 10.0	92.9 Capitol Broadcasting, Inc.	88.00	12.10
246C Salt Lake City	ALLO	USE UT	347.6 167.6	106.53 RM	40 39 35 112 12 05	100.000 600	0 13.7	91.8	84.33	13.14
248D Draper	*K248AK	LIC CN UT	348.8 168.8	100.18 BLFT19960821TE	40 36 29 112 09 33	0.250 556	2599 89.6	30.9 Citicasters Licenses, Inc.	2.06<	40.75
> Reference HAAT at 348.8°= -164.1 M, Pwr= 0.5 kw, Pro. Dist. = 8.5 km, Int Dist. = 28.53 km										
249D Orangeville	K249DA	LIC HN UT	129.9 309.9	88.53 BLFT19890925TA	39 12 36 111 08 30	0.048 529	2658 30.0	20.0 Emery County, Etal	49.98	56.50
248C1 Franklin	ALLO	USE ID	359.4 179.4	216.37	41 40 18 111 57 30	100.000 299	0 171.9	72.3	35.99	115.54
248C1 Franklin	970814	CP CX ID	359.4 179.4	216.37 BPH19970814MJ	41 40 18 111 57 30	100.000 8	1564 130.7	31.0 Dbm Entertainment Enterpri	77.17	156.87

"*" = ERP and HAAT on direct line to and from reference station. "<" = 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".