

# Channel 242 Study

Ad Astra per Aspera Broadcasting, Inc. -

REFERENCE  
38 34 14.00 N.  
97 38 29.10 W.

CH# 242D - 96.3 MHz, Pwr= 0.25 kW, HAAT= 71.1 M, COR= 497.8 M  
Average Protected F(50-50)= 10.97 km  
Omni-directional

DISPLAY DATES  
DATA 08-24-23  
SEARCH 08-28-23

CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
242C2 Derby	KZCH	LIC_CN KS		163.3 343.5	98.87 BLH19900509KC	37 43 06.00 97 19 06.20	50.000 150	135.1 538	49.6 Ihm Licenses, LLC	-45.8*	19.8
242C3 Riley	KACZ	LIC_NC KS		50.3 230.9	114.75 BLH20110523ACN	39 13 34.00 96 37 01.00	12.500 145	105.5 505	38.9 Manhattan Broadcasting Co.	-2.6	35.2
243D Salina	K243BD	LIC_VN KS		0.4 180.4	24.33 BLFT20170425AAF	38 47 22.00 97 38 22.10	0.250	10.6 421	7.1 Great Plains Christian Rad	1.1	-2.0
244A Mcpherson	KMPK	LIC_CN KS		185.2 5.2	25.89 BLH20130710AAO	38 20 19.00 97 40 06.20	6.000 75	2.4 532	24.2 Ad Astra Per Aspera Broadc	13.9	0.5
242C3 Cawker City	KZDY	LIC_NC KS		331.0 150.6	119.41 BLH19981217KC	39 30 29.00 98 18 58.20	13.000 70	95.5 528	29.4 Dierking Communications, I	12.0	48.8
245D Salina	K245BN	LIC_CN KS		358.9 178.9	33.48 BLFT20160321ABI	38 52 18.00 97 38 55.10	0.250	1.1 442	10.1 Educational Media Foundati	19.6	22.1
240A Hutchinson	KWHK	LIC_CN KS		209.3 29.1	66.39 BLH20070206AAH	38 02 57.00 98 00 45.20	2.850 149	2.5 629	28.0 Ad Astra Per Aspera Broadc	53.1	37.3
240D Abilene	K240EX	LIC_CN KS		40.8 221.1	57.97 0000153611	38 57 51.60 97 12 10.60	0.250	1.1 500	15.4 Meridian Media, LLC	44.1	41.5

Terrain database is FCC 30 meter, R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM  
In & Out distances between contours are shown at closest points. Reference zone= West Zone, Co to 3rd adjacent.  
All separation margins (if shown) include rounding.  
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)  
"\*"affixed to 'IN' or 'OUT' values = site inside restricted contour.