

Channel Study

REFERENCE CH# 219A - 91.7 MHz, Pwr= 1.7 kW, HAAT= 120.2 M, COR= 614.1 M DISPLAY DATES
 42 01 56.0 N. Average Protected F(50-50)= 23.1 km DATA 06-25-10
 97 22 07.0 W. Omni-directional SEARCH 06-25-10

CH CITY	CALL	TYPE ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
219C3 Norfolk	KLSB	CP CX NE	278.6 98.3	37.4 BNPED20071012ACR	42 04 54.0 97 48 55.0	8.000 138	97.5 668	35.3 Educational Media Foundati	-83.3*<	-69.0<
220A Wayne	KWSC	LIC HN NE	51.4 231.6	37.5 BLED909	42 14 30.0 97 00 48.0	0.320 29	10.8 489	7.5 Wayne State College	7.4	1.6
219A Utica	KUTN	CP DCX NE	175.8 355.8	115.2 BNPED20071018ANL	40 59 52.0 97 16 02.0	3.000 100	75.8 575	24.1 Gospel American Network	14.1	15.4
220A Columbus	KTLX	LIC CN NE	178.9 358.9	65.7 BLED19820507AK	41 26 26.0 97 21 14.0	0.100 16	8.0 460	5.6 Tlc Educational Corporatio	32.7	22.3
218C3 Yankton	1221027	APP CX SD	352.0 171.9	98.3 BNPED20071017AAT	42 54 29.0 97 32 13.0	6.000 121	47.2 531	30.7 Family Worship Center Chur	28.2	33.3
218C1 Omaha	KIOS-FM	LIC CN NE	125.5 306.4	141.3 BLED19890508KA	41 17 15.0 95 59 37.0	55.000 169	79.6 503	53.1 Douglas County School Dist	38.6	53.5
218A Yankton	1245232	APP CX SD	352.0 171.9	98.3 BNPED20071018ATI	42 54 29.0 97 32 13.0	1.000 139	32.2 548	21.7 The Praise Network, Inc.	43.2	42.4
220A Elk Point	KPCJ	CP DCX SD	39.6 220.0	90.5 BMPED20090320ABJ	42 39 26.0 96 39 51.0	6.000 76	20.8 433	13.9 Shining Light Ministries	50.1	47.7
219C1 Worthington-marshall	KNSW	LIC CN MN	29.2 210.1	236.9 BMLED19931019KC	43 53 01.0 95 55 44.0	99.000 243	167.4 758	68.5 Minnesota Public Radio	48.6	101.6
222C0 Omaha	KEZO-FM«	LIC C NE	125.6 306.5	137.8 BMLH20080129ABE	41 18 16.0 96 01 41.0	100.000 450	12.0 791	82.5 Journal Broadcast Corporat	85.5R	52.3M
217C3 Hubbard	KAYA	LIC CX NE	62.6 243.1	78.2 BLED20031205AJN	42 21 10.0 96 31 32.0	5.100 115	2.2 489	22.2 American Family Associatio	56.6	54.2
218A O'Neill	KOEC	CP CX NE	285.5 104.6	110.2 BMPED20080506AAA	42 17 19.2 98 39 24.4	3.000 61	30.1 685	20.5 Church Planters Of America	57.4	55.8
272C1 Onawa	KQNU«	LIC CN IA	78.6 259.3	82.7 BLH19951120KG	42 10 29.0 96 23 13.0	100.000 196	0.0 562	0.0 Powell Broadcasting Compan	21.5R	61.2M

Terrain database is NGDC 30 SEC, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM
 Contour distances are on direct line to and from reference station. Reference Zone = 2, Co to 3rd adjacent.
 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 protected contour.
 « = Station meets FCC minimum distance spacing for its class.
 "<" = Contour Overlap

Exhibit 16 - A

FMCommander Single Allocation Study - 06-25-2010 - NGDC 30 SEC
KLSB's Overlaps (In= 7.38 km, Out= 1.59 km)

KLSB CH 219 A
Lat= 42 01 56.0, Lng= 97 22 07.0
1.7 kW 120.2 M HAAT, 614.1 M COR
Prot.= 60 dBu, Intef.= 54 dBu

KWSC CH 220 A BLED909
Lat= 42 14 30.0, Lng= 97 00 48.0
0.32 kW 29 M HAAT, 489 M COR
Prot.= 60 dBu, Intef.= 54 dBu

