

Educational Media Foundation

5700 West Oaks Boulevard ♦ Rocklin ♦ California ♦ 95765

Exhibit 16

Jamestown, ND

Channel Study

REFERENCE		CH# 205A - 88.9 MHz, Pwr= 0.4 kW, HAAT= 87.0 M, COR= 538 M						DISPLAY DATES		
46 50 05.0 N.		Average Protected F(50-50)= 13.5 km						DATA 07-29-08		
98 41 31.0 W.		Omni-directional						SEARCH 08-01-08		
CH	CALL	TYPE ANT	AZI.	DIST	LAT.	Pwr(kW)	INT(km)	PRO(km)	*IN*	*OUT*
CITY		STATE	<--	FILE #	LNG.	HAAT(M)	COR(M)	LICENSEE	(Overlap	in km)
206A	KLUU	APP VX	0.0	0.00	46 50 05.0	1.700	30.2	20.5	-44.14*	-41.46*
Jamestown		ND	0.0	BMPED20080625ACE	98 41 31.0	87	538	Educational Media Foundati		
205A	KLUU	CP VX	328.6	11.66	46 55 27.0	1.800	56.1	15.2	-57.63*	-49.25*
Jamestown		ND	148.5	BPED19990907MB	98 46 19.0	44	504	Educational Media Foundati		
06Z2C	WDAYTV	LI HN	79.6	115.37	47 00 43.0	100.000	15.1	106.4	225.0R	-6.2M
Fargo		ND	260.7	BMLCT624	97 11 58.0	351	643	Forum Communications Compa		
204C1	KFBN	LIC EN	79.6	115.84	47 00 48.0	100.000	100.3	68.4	1.44	26.27
Fargo		ND	260.6	BLED19971222KD	97 11 37.0	265	556	Fargo Baptist Church		
206C1	KGCD	CP CX	261.1	163.20	46 35 24.0	50.000	85.3	57.7	65.53	87.31
Lincoln		ND	79.6	BPED20060628ACV	100 47 47.0	211	793	Educational Media Foundati		
06+2E	KSRE	LI HN	304.7	244.35	48 03 03.0	100.000	13.3	104.1	225.0R	126.9M
Minot		ND	122.7	BLET19831201KF	101 23 25.0	323	946	Prairie Public Broadcastin		

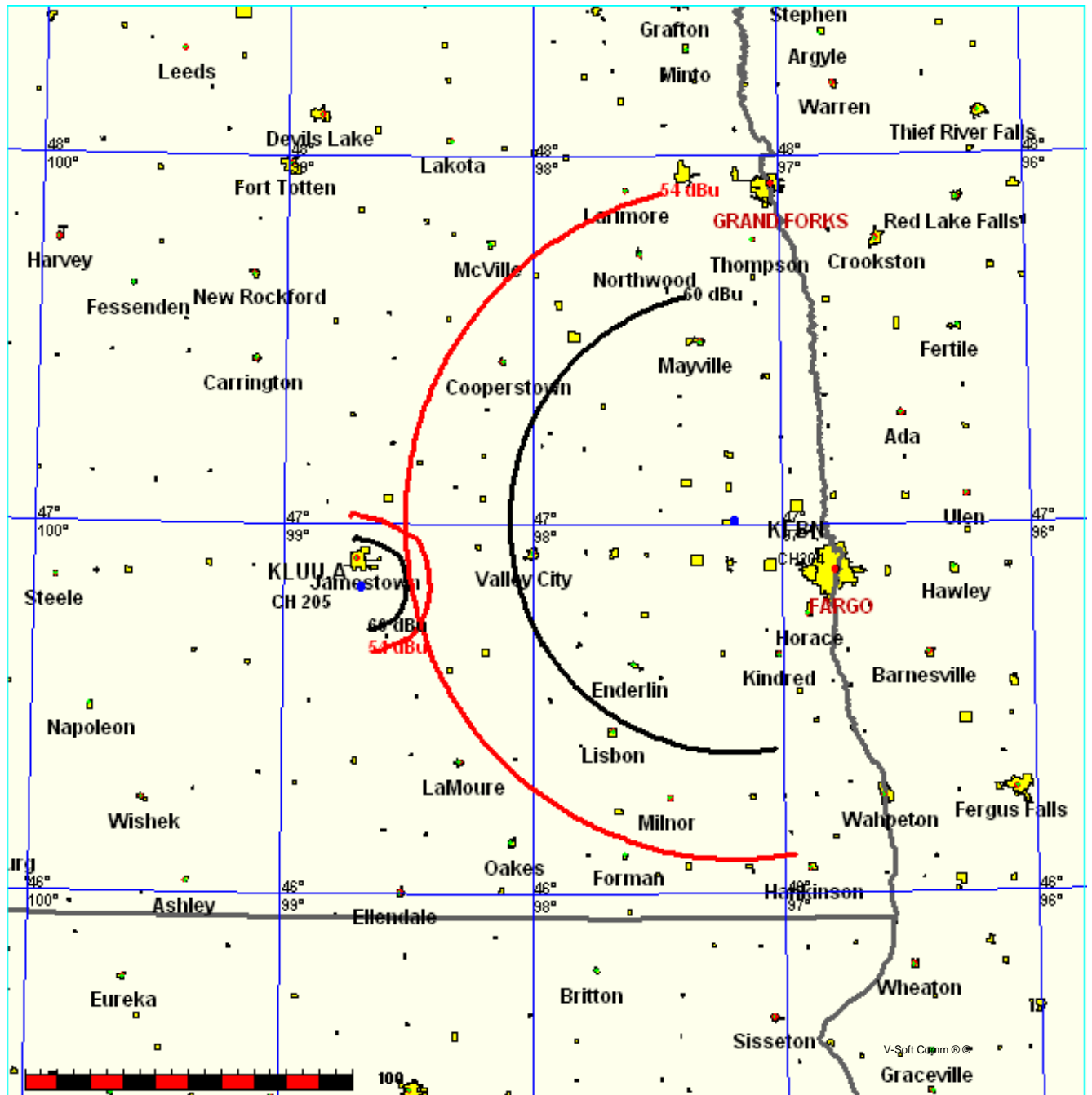
Terrain database is NGDC 30 SEC Distance + R = 73.215 or FCC spacings in KM, Distance + M = Margin in KM
Contour distances are on direct line to and from reference station. Reference Zone = 2. With 3rd Adj Channels.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
**affixed to 'IN' or 'OUT' values = site inside protected contour.
Reference station has protected zone issue: Canada- AM tower

Exhibit 16-A

FMCommander Single Allocation Study
08-01-2008

KLUU.A CH 205 A
0.4 kW 538 M COR
Prot. = 60 dBu
Intef. = 54 dBu

KFBN CH 204 C1 BLED19971222KD
100.0 kW, 556 M COR
Prot. = 60 dBu
Intef. = 54 dBu



KFBN vs. KLUU.P

08-01-2008

NGDC 30 SEC Terrain Data

FMOver Analysis

KLUU. A

Channel = 205A

Max ERP = 0.4 kW

RCAMSL = 538 M

N. Lat. 46 50 05.0

W. Lng. 98 41 31.0

Protected

60 dBu

KFBN

BLED19971222KD

Channel = 204C1

Max ERP = 100 kW

RCAMSL = 556 M

N. Lat. 47 00 48.0

W. Lng. 97 11 37.0

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
045.0	000.4000	0097.7	014.3	265.1	100.0000	0251.1	104.4	52.78
046.0	000.4000	0099.2	014.4	265.0	100.0000	0251.1	104.1	52.85
047.0	000.4000	0100.5	014.5	265.0	100.0000	0251.1	103.9	52.92
048.0	000.4000	0101.6	014.6	264.9	100.0000	0251.1	103.7	52.98
049.0	000.4000	0102.3	014.6	264.8	100.0000	0251.1	103.5	53.04
050.0	000.4000	0102.9	014.7	264.7	100.0000	0251.1	103.3	53.09
051.0	000.4000	0103.5	014.7	264.6	100.0000	0251.1	103.1	53.14
052.0	000.4000	0103.9	014.8	264.5	100.0000	0251.1	103.0	53.19
053.0	000.4000	0104.2	014.8	264.3	100.0000	0251.1	102.8	53.24
054.0	000.4000	0104.3	014.8	264.2	100.0000	0251.1	102.7	53.27
055.0	000.4000	0104.2	014.8	264.1	100.0000	0251.1	102.6	53.31
056.0	000.4000	0104.0	014.8	264.0	100.0000	0251.0	102.4	53.34
057.0	000.4000	0103.6	014.7	263.8	100.0000	0251.0	102.4	53.36
058.0	000.4000	0102.9	014.7	263.7	100.0000	0251.0	102.3	53.38
059.0	000.4000	0102.0	014.6	263.5	100.0000	0251.0	102.3	53.39
060.0	000.4000	0101.1	014.5	263.4	100.0000	0251.0	102.2	53.40
061.0	000.4000	0100.5	014.5	263.2	100.0000	0251.0	102.2	53.42
062.0	000.4000	0100.0	014.5	263.1	100.0000	0251.1	102.1	53.44
063.0	000.4000	0099.6	014.4	263.0	100.0000	0251.1	102.1	53.45
064.0	000.4000	0099.2	014.4	262.8	100.0000	0251.1	102.0	53.47
065.0	000.4000	0098.9	014.4	262.7	100.0000	0251.2	102.0	53.49
066.0	000.4000	0098.8	014.4	262.5	100.0000	0251.2	101.9	53.50
067.0	000.4000	0098.6	014.4	262.4	100.0000	0251.2	101.8	53.52
068.0	000.4000	0098.4	014.3	262.3	100.0000	0251.2	101.8	53.54
069.0	000.4000	0098.0	014.3	262.1	100.0000	0251.3	101.8	53.54
070.0	000.4000	0097.5	014.3	262.0	100.0000	0251.3	101.8	53.55
071.0	000.4000	0096.9	014.2	261.8	100.0000	0251.3	101.8	53.55
072.0	000.4000	0096.5	014.2	261.7	100.0000	0251.3	101.8	53.55
073.0	000.4000	0096.2	014.2	261.6	100.0000	0251.4	101.7	53.56
074.0	000.4000	0096.0	014.2	261.4	100.0000	0251.4	101.7	53.56
075.0	000.4000	0095.7	014.1	261.3	100.0000	0251.5	101.7	53.56
076.0	000.4000	0095.5	014.1	261.1	100.0000	0251.5	101.7	53.57
077.0	000.4000	0095.4	014.1	261.0	100.0000	0251.6	101.7	53.57
078.0	000.4000	0095.3	014.1	260.9	100.0000	0251.6	101.7	53.57
079.0	000.4000	0095.3	014.1	260.7	100.0000	0251.7	101.7	53.58
080.0	000.4000	0095.2	014.1	260.6	100.0000	0251.7	101.7	53.58
081.0	000.4000	0095.2	014.1	260.4	100.0000	0251.8	101.7	53.58
082.0	000.4000	0095.1	014.1	260.3	100.0000	0251.8	101.7	53.57
083.0	000.4000	0094.9	014.1	260.2	100.0000	0251.9	101.8	53.57
084.0	000.4000	0094.8	014.1	260.0	100.0000	0252.0	101.8	53.56
085.0	000.4000	0094.6	014.1	259.9	100.0000	0252.0	101.8	53.55
086.0	000.4000	0094.6	014.0	259.8	100.0000	0252.1	101.9	53.54

Educational Media Foundation

Exhibit 16-A

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Jamestown, ND

087.0	000.4000	0094.5	014.0	259.6	100.0000	0252.2	101.9	53.53
088.0	000.4000	0094.6	014.1	259.5	100.0000	0252.2	101.9	53.53
089.0	000.4000	0094.7	014.1	259.3	100.0000	0252.3	102.0	53.52
090.0	000.4000	0094.8	014.1	259.2	100.0000	0252.3	102.0	53.51
091.0	000.4000	0094.9	014.1	259.1	100.0000	0252.4	102.1	53.49
092.0	000.4000	0095.0	014.1	258.9	100.0000	0252.4	102.1	53.48
093.0	000.4000	0095.2	014.1	258.8	100.0000	0252.4	102.2	53.47
094.0	000.4000	0095.3	014.1	258.7	100.0000	0252.5	102.2	53.45
095.0	000.4000	0095.4	014.1	258.5	100.0000	0252.6	102.3	53.43
096.0	000.4000	0095.4	014.1	258.4	100.0000	0252.6	102.4	53.41
097.0	000.4000	0095.4	014.1	258.3	100.0000	0252.7	102.4	53.39
098.0	000.4000	0095.3	014.1	258.1	100.0000	0252.7	102.5	53.37
099.0	000.4000	0095.3	014.1	258.0	100.0000	0252.8	102.6	53.34
100.0	000.4000	0095.2	014.1	257.9	100.0000	0252.8	102.7	53.31
101.0	000.4000	0095.3	014.1	257.8	100.0000	0252.9	102.8	53.29
102.0	000.4000	0095.3	014.1	257.6	100.0000	0253.0	102.9	53.26
103.0	000.4000	0095.4	014.1	257.5	100.0000	0253.0	103.0	53.23
104.0	000.4000	0095.5	014.1	257.4	100.0000	0253.1	103.1	53.20
105.0	000.4000	0095.6	014.1	257.3	100.0000	0253.2	103.2	53.17
106.0	000.4000	0095.8	014.1	257.1	100.0000	0253.2	103.3	53.14
107.0	000.4000	0096.0	014.2	257.0	100.0000	0253.3	103.5	53.11
108.0	000.4000	0096.1	014.2	256.9	100.0000	0253.4	103.6	53.08
109.0	000.4000	0096.2	014.2	256.8	100.0000	0253.4	103.7	53.04
110.0	000.4000	0096.3	014.2	256.7	100.0000	0253.5	103.8	53.01
111.0	000.4000	0096.5	014.2	256.6	100.0000	0253.5	104.0	52.97
112.0	000.4000	0096.8	014.2	256.4	100.0000	0253.6	104.1	52.93
113.0	000.4000	0097.1	014.2	256.3	100.0000	0253.6	104.2	52.90
114.0	000.4000	0097.2	014.3	256.2	100.0000	0253.7	104.4	52.86
115.0	000.4000	0097.3	014.3	256.1	100.0000	0253.7	104.5	52.81