

## Channel Study

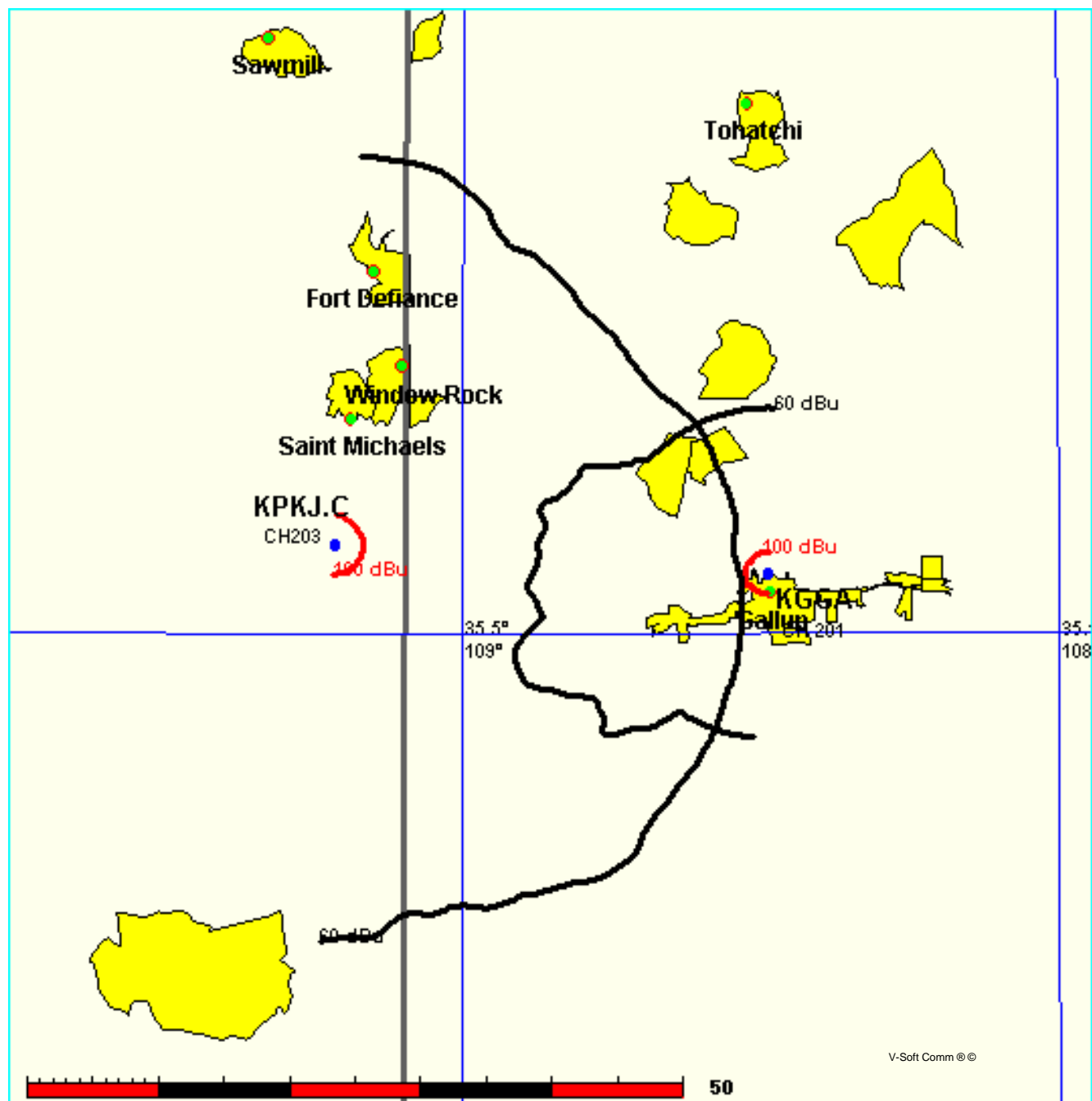
REFERENCE		CH# 201A - 88.1 MHz, Pwr= 2.3 kW, HAAT= 0.2 M, COR= 2062 M						DISPLAY DATES			
35 32 27.0 N.		Average Protected F(50-50)= 12.4 km						DATA 04-29-08			
108 44 36.0 W.								SEARCH 04-29-08			
CH	CALL	TYPE ANT		AZI.	DIST	LAT.	Pwr(kW)	INT(km)	PRO(km)	*IN*	*OUT*
CITY		STATE		<--	FILE #	LNG.	HAAT(M)	COR(M)	LICENSEE	(Overlap	in km)
201C2	KGGA	CP	DCX	170.5	4.56	35 30 01.0	30.000	77.9	17.6	-85.72*	-61.00*
Gallup			NM	350.5	BPED19990901MC	108 44 06.0	-4	2075	Educational Media Foundati		
203A	KPKJ	CP	CX	273.8	33.16	35 33 36.0	1.300	2.2	30.9	13.41	0.45
Mentmore			NM	93.6	BPED19990325MD	109 06 30.0	150	2304	Csn International		
201C1	KUYI	LIC	CX	282.6	141.63	35 48 29.0	69.000	122.2	28.5	1.82	50.75
Hotevilla			AZ	101.7	BMLD20041215AAW	110 16 23.0	124	2002	The Hopi Foundation		
201A	KIDS	LIC	CX	121.3	89.78	35 07 09.0	0.100	18.6	5.6	58.79	36.18
Grants			NM	301.8	BLED20080131AGY	107 54 02.0	50	2169	Board Of Education Of The		
201C3	KUSW	LIC	VX	19.9	133.61	36 40 16.0	4.100	80.4	25.8	40.76	59.86
Flora Vista			NM	200.2	BLED20080204AAE	108 13 54.0	202	1925	Kute, Inc.		
204C1	1204791	APP	DCX	106.8	109.01	35 15 10.0	3.200	1.9	48.5	94.71	58.86
Tohajiilee Indian R			NM	287.5	BNPED20071018BAR	107 35 46.0	823	3358	Available Media, Inc.		
204C	1215845	APP	DCX	106.9	109.12	35 15 04.0	16.500	1.8	47.6	94.94	59.94
Milan			NM	287.5	BNPED20071022BPX	107 35 44.0	845	3377	Board Of Regents Of New Me		
06+2C	KREZTV	LI	HN	21.3	205.52	37 15 46.0	6.170		70.3	96.5R	109.0M
Durango			CO	201.8	BLCT19851107KJ	107 53 58.0	110	2391	Lin Of Colorado, Llc		
06ZT	KTVW-C	LI	DHN	263.5	261.37	35 14 26.0	0.114		25.1	45.3R	216.1M
Flagstaff/doney Par			AZ	81.8	BLTVL19930914IG	111 35 48.0	810	2834	Ktvw License Partnership,		
-----											
Terrain database is NGDC 30 SEC Distance + R = FCC Required Spacings in KM, Distance + M = Margin in KM											
ERP and HAAT on direct-line with reference station.											
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: AM tower											

Exhibit 16 - A

FMCommander Single Allocation Study  
04-29-2008

KGGA CH 201 A  
2.3 kW 2062 M COR  
Prot. = 60 dBu  
Intef. = 100 dBu

KPKJ-C CH 203 A BPED19990325MD  
1.3 kW, 2304 M COR  
Prot. = 60 dBu  
Intef. = 100 dBu



**KPKJ.C protected vs. KGGA interfering**

04-29-2008 NGDC 30 SEC Terrain Data

KPKJ.C BPED19990325MD  
Channel = 203A  
Max ERP = 1.3 kW  
RCAMSL = 2304 M  
N. Lat. 35 33 36.0  
W. Lng. 109 06 30.0  
Protected  
60 dBu

KGGA  
Channel = 201A  
Max ERP = 2.3 kW  
RCAMSL = 2062 M  
N. Lat. 35 32 27.0  
W. Lng. 108 44 36.0  
Interfering  
100 dBu

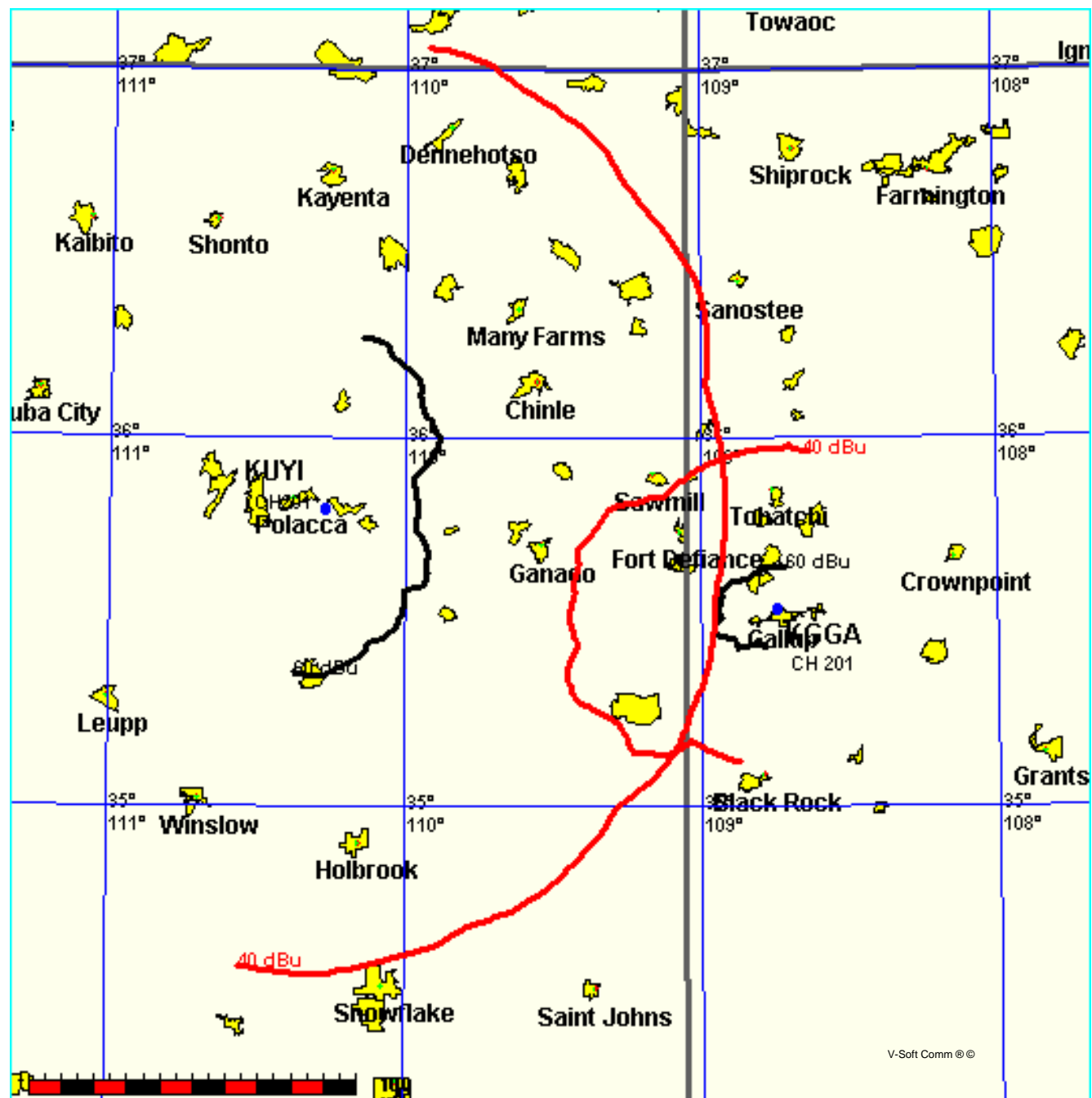
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
092.0	001.3000	0254.3	030.6	293.2	002.3000	0052.2	002.7	91.48
093.0	001.3000	0257.5	030.8	282.6	002.3000	0059.0	002.4	94.91
094.0	001.3000	0260.8	031.0	269.0	002.3000	0062.7	002.2	96.96
095.0	001.3000	0263.3	031.2	253.9	002.3000	0076.7	002.1	98.23
096.0	001.3000	0264.0	031.2	241.1	002.3000	0065.4	002.4	95.60
097.0	001.3000	0264.5	031.2	231.3	002.3000	0052.6	002.7	91.55

Exhibit 16 - B

FMCommander Single Allocation Study  
04-29-2008

KGGA CH 201 A  
2.3 kW 2062 M COR  
Prot. = 60 dBu  
Intef. = 40 dBu

KUYI CH 201 C1 BMLED20041215AAW  
69.0 kW, 2002 M COR  
Prot. = 60 dBu  
Intef. = 40 dBu



**KGGA protected vs. KUYI interfering**

04-29-2008      NGDC 30 SEC Terrain Data      FMOver Analysis

KGGA  
Channel = 201A  
Max ERP = 2.3 kW  
RCAMSL = 2062 M  
N. Lat. 35 32 27.0  
W. Lng. 108 44 36.0  
Protected  
60 dBu

KUYI      BMLED20041215AAW  
Channel = 201C1  
Max ERP = 69 kW  
RCAMSL = 2002 M  
N. Lat. 35 48 29.0  
W. Lng. 110 16 23.0  
Interfering  
40 dBu

Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Actual (dBu)
238.0	002.3000	0058.1	017.4	107.1	069.0000	0037.5	129.8	39.03
239.0	002.3000	0060.5	017.8	107.1	069.0000	0037.6	129.3	39.12
240.0	002.3000	0062.9	018.1	107.2	069.0000	0037.6	128.8	39.21
241.0	002.3000	0065.2	018.4	107.2	069.0000	0037.6	128.4	39.29
242.0	002.3000	0067.7	018.8	107.2	069.0000	0037.6	127.9	39.38
243.0	002.3000	0070.8	019.2	107.2	069.0000	0037.7	127.4	39.48
244.0	002.3000	0074.5	019.7	107.3	069.0000	0037.7	126.8	39.59
245.0	002.3000	0077.6	020.1	107.3	069.0000	0037.7	126.3	39.70
246.0	002.3000	0079.4	020.3	107.2	069.0000	0037.7	125.8	39.77
247.0	002.3000	0080.1	020.4	107.1	069.0000	0037.6	125.6	39.82
248.0	002.3000	0080.1	020.4	107.0	069.0000	0037.4	125.3	39.85
249.0	002.3000	0080.3	020.4	106.9	069.0000	0037.2	125.1	39.89
250.0	002.3000	0080.5	020.5	106.8	069.0000	0037.1	124.8	39.93
251.0	002.3000	0080.6	020.5	106.6	069.0000	0036.9	124.6	39.96
252.0	002.3000	0079.8	020.4	106.5	069.0000	0036.7	124.5	39.97
253.0	002.3000	0078.5	020.2	106.3	069.0000	0036.4	124.4	39.97
254.0	002.3000	0076.6	019.9	106.1	069.0000	0036.1	124.4	39.95
255.0	002.3000	0073.3	019.5	105.9	069.0000	0035.8	124.6	39.89
256.0	002.3000	0069.3	019.0	105.6	069.0000	0035.4	124.9	39.81
257.0	002.3000	0064.9	018.4	105.3	069.0000	0034.9	125.3	39.72
258.0	002.3000	0060.8	017.8	105.1	069.0000	0034.4	125.6	39.63
259.0	002.3000	0058.4	017.5	104.9	069.0000	0034.0	125.8	39.57
260.0	002.3000	0059.0	017.6	104.8	069.0000	0033.8	125.6	39.60
261.0	002.3000	0060.0	017.7	104.7	069.0000	0033.5	125.3	39.63
262.0	002.3000	0060.5	017.8	104.6	069.0000	0033.3	125.1	39.65
263.0	002.3000	0060.8	017.8	104.4	069.0000	0032.9	124.9	39.66
264.0	002.3000	0062.0	018.0	104.3	069.0000	0032.6	124.7	39.69
265.0	002.3000	0063.4	018.2	104.2	069.0000	0032.3	124.4	39.73
266.0	002.3000	0064.8	018.4	104.1	069.0000	0032.0	124.1	39.77
267.0	002.3000	0065.0	018.4	104.0	069.0000	0031.6	124.0	39.77
268.0	002.3000	0063.8	018.2	103.8	069.0000	0031.1	124.0	39.73
269.0	002.3000	0062.7	018.1	103.6	069.0000	0030.6	124.1	39.68
270.0	002.3000	0061.5	017.9	103.5	069.0000	0030.1	124.2	39.64
271.0	002.3000	0060.7	017.8	103.3	069.0000	0029.7	124.2	39.63
272.0	002.3000	0060.0	017.7	103.2	069.0000	0029.3	124.2	39.62
273.0	002.3000	0059.3	017.6	103.0	069.0000	0028.9	124.3	39.61
274.0	002.3000	0058.6	017.5	102.9	069.0000	0028.5	124.3	39.60
275.0	002.3000	0059.3	017.6	102.8	069.0000	0028.1	124.2	39.63
276.0	002.3000	0059.9	017.7	102.6	069.0000	0027.8	124.0	39.66
277.0	002.3000	0060.3	017.8	102.5	069.0000	0027.5	123.9	39.68
278.0	002.3000	0060.0	017.7	102.3	069.0000	0027.2	124.0	39.67
279.0	002.3000	0058.7	017.5	102.2	069.0000	0026.9	124.1	39.64

**Educational Media Foundation**  
5700 West Oaks Boulevard  
Rocklin, CA 95765

*Exhibit 16-B1*  
*Gallup, NM*

280.0	002.3000	0058.0	017.4	102.0	069.0000	0026.7	124.2	39.62
281.0	002.3000	0057.9	017.4	101.9	069.0000	0026.4	124.2	39.62
282.0	002.3000	0058.4	017.5	101.8	069.0000	0026.2	124.1	39.64
283.0	002.3000	0059.7	017.7	101.6	069.0000	0026.0	123.9	39.67
284.0	002.3000	0061.2	017.9	101.5	069.0000	0025.9	123.7	39.72
285.0	002.3000	0062.3	018.0	101.3	069.0000	0025.7	123.6	39.74
286.0	002.3000	0062.4	018.0	101.2	069.0000	0025.6	123.6	39.74
287.0	002.3000	0061.2	017.9	101.0	069.0000	0025.6	123.8	39.70
288.0	002.3000	0059.0	017.6	100.9	069.0000	0025.6	124.1	39.64
289.0	002.3000	0056.9	017.2	100.8	069.0000	0025.6	124.5	39.57
290.0	002.3000	0055.0	016.9	100.7	069.0000	0025.6	124.9	39.50
291.0	002.3000	0053.7	016.7	100.6	069.0000	0025.6	125.1	39.45
292.0	002.3000	0052.9	016.5	100.4	069.0000	0025.6	125.3	39.41
293.0	002.3000	0052.3	016.4	100.3	069.0000	0025.6	125.5	39.38
294.0	002.3000	0051.9	016.4	100.2	069.0000	0025.6	125.6	39.35
295.0	002.3000	0051.5	016.3	100.1	069.0000	0025.5	125.8	39.33
296.0	002.3000	0051.1	016.2	100.0	069.0000	0025.5	125.9	39.30
297.0	002.3000	0051.1	016.2	099.8	069.0000	0025.4	126.0	39.28
298.0	002.3000	0051.2	016.2	099.7	069.0000	0025.4	126.1	39.27
299.0	002.3000	0051.1	016.2	099.6	069.0000	0025.3	126.2	39.25
300.0	002.3000	0050.1	016.0	099.5	069.0000	0025.3	126.4	39.20
301.0	002.3000	0048.4	015.7	099.4	069.0000	0025.2	126.8	39.12
302.0	002.3000	0046.2	015.3	099.4	069.0000	0025.2	127.3	39.03

-----