

Channel Study

REFERENCE		CH# 201A - 88.1 MHz, Pwr= 1.55 kW, HAAT= 199.9 M, COR= 1482 M								DISPLAY DATES	
41 15 18.4 N.		Average Protected F(50-50)= 28.4 km								DATA 06-20-17	
112 14 08.8 W.		Omni-directional								SEARCH 06-26-17	
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*
201A Ogden	KWCR-FM!	LIC	CN UT	107.0 287.2	25.47 BLED19930903KA	41 11 17.0 111 56 43.0	2.000 -96	81.2 1482	28.0 Weber State University	-84.0	-83.7
204C1 North Ogden	KNKL	LIC	VX UT	358.3 178.3	37.39 BLED20060616AAE	41 35 30.0 112 14 57.0	73.000 297	9.7 1623	71.2 Educational Media Foundati	-1.1<	-36.1*<
201D Coalville, Etc.	K201AE!	LIC	DC UT	124.8 305.3	77.60 BLFT20141105ADD	40 51 18.0 111 28 44.0	0.115	47.5 2839	10.5 Community Wireless Of Park	1.7	-14.3*<
202D Wellsville	K202EJ!	LIC	C UT	30.8 211.0	46.15 BLFT20140603AAJ	41 36 41.0 111 57 05.0	0.019 139	12.5 1734	8.9 Calvary Chapel Of Twin Fal	4.9	-6.2<
202C3 Salt Lake City	KCPW-FM	LIC	DCX UT	172.7 352.8	69.82 BMLED20170209ABB	40 37 53.0 112 07 50.0	0.450 416	32.0 2088	21.2 Wasatch Public Media	8.7	4.7
201A Pleasant Grove	KPGR	LIC	CN UT	156.4 336.7	108.00 BLED19810914AE	40 21 48.0 111 43 30.0	0.115 -344	19.3 1457	5.8 Alpine School District	59.6	19.5
254C Salt Lake City	KBEE<	LIC	C UT	174.9 354.9	72.11 BMLH20100723AVI	40 36 30.0 112 09 34.0	40.000 894	78.0 2603	65.0 Radio License Holding Cbc,	29.0R	43.1M
203D Rural Summit County	K203AB!	LIC	DHN UT	124.8 305.3	77.60 BLFT19910206TA	40 51 18.0 111 28 44.0	0.026 811	0.2 2848	14.8 University Of Utah	49.0	60.5
203D Tooele	K203CQ!	LIC	V UT	184.5 4.4	79.28 BLFT20100609AFE	40 32 36.0 112 18 33.0	0.041 -138	0.4 1539	12.1 Calvary Chapel Of Twin Fal	49.9	64.9
202D Randolph, Etc.	K202AF!	LIC	DHN UT	65.7 246.4	101.67 BLFT19821102II	41 37 31.0 111 07 23.0	0.020 339	8.8 2363	5.7 University Of Utah	64.5	53.0

Terrain database is FCC 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= - 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 restricted contour.
< = Station meets FCC minimum distance spacing for its class.
< = Contour Overlap

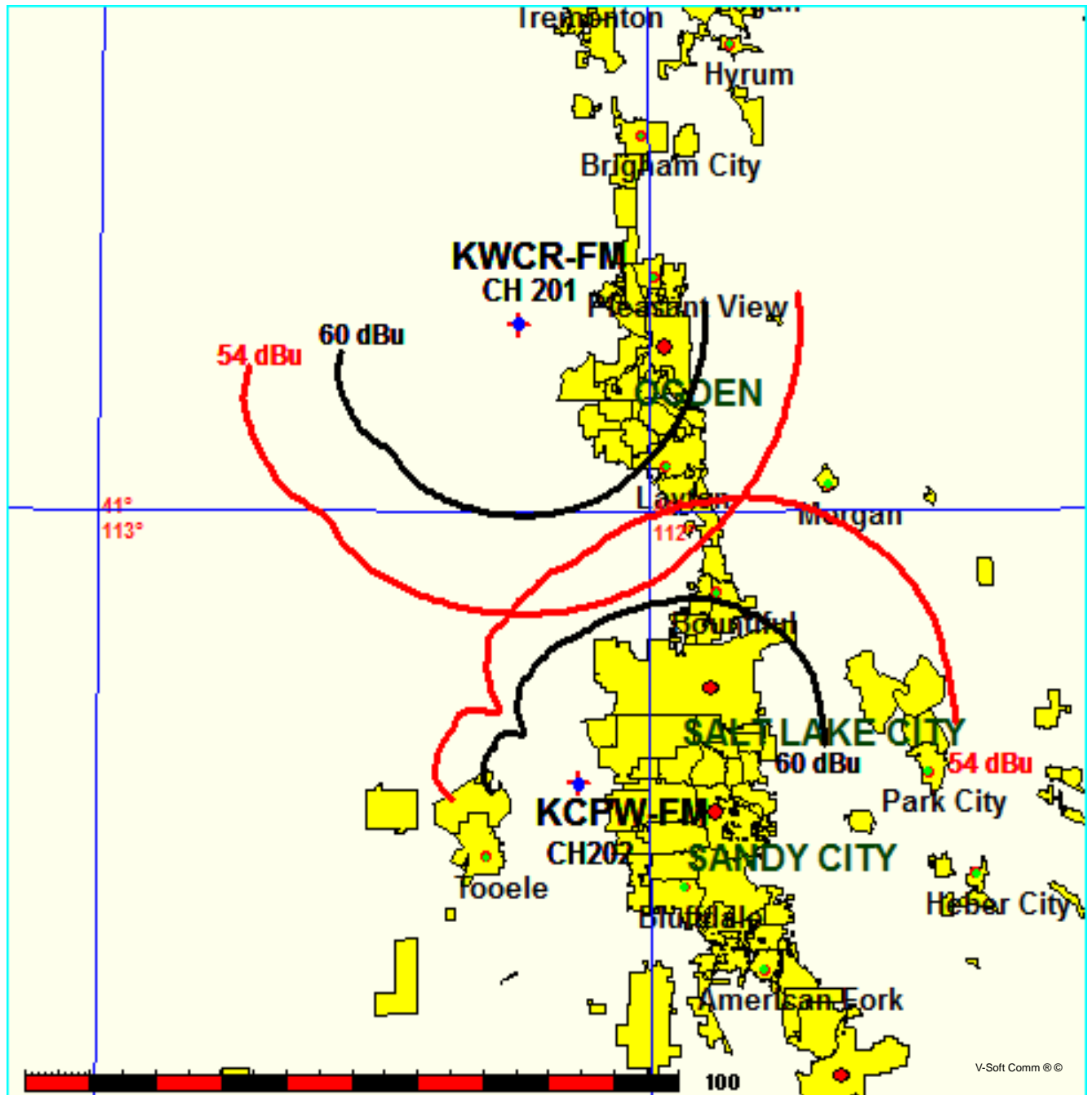
Exhibit 18-A

Weber State University

FMCommander Single Allocation Study - 06-26-2017 - FCC NGDC 30 Sec
KWCR-FM's Overlaps (In= 8.73 km, Out= 4.67 km)

KWCR-FM CH 201 A
Lat= 41 15 18.4, Lng= 112 14 08.8
1.55 kW 199.9 m HAAT, 1482 m COR
Prot.= 60 dBu, Intef.= 54 dBu

KCPW-FM CH 202 C3 DA BMLED20170209ABB
Lat= 40 37 53.0, Lng= 112 07 50.0
0.45 kW 416 m HAAT, 2088 m COR
Prot.= 60 dBu, Intef.= 54 dBu



Interference Study towards KNKL

As seen in exhibits 18-B and 18-C, the proposed contours of KWCR overlap 3rd adjacent facility KNKL, FID 7139, North Ogden, UT. KNKL has previously agreed to interference received from KWCR. According to construction permit BPED-20050726AQD, Special Operating Condition Number Two:

Further modifications to the facilities of KWCR-FM, FID #7139, Ogden, UT, will not be construed as a per se modification of KNKL's authorization. (See "Educational Information Corporation" 6 FCC Rcd 2207 (1991))

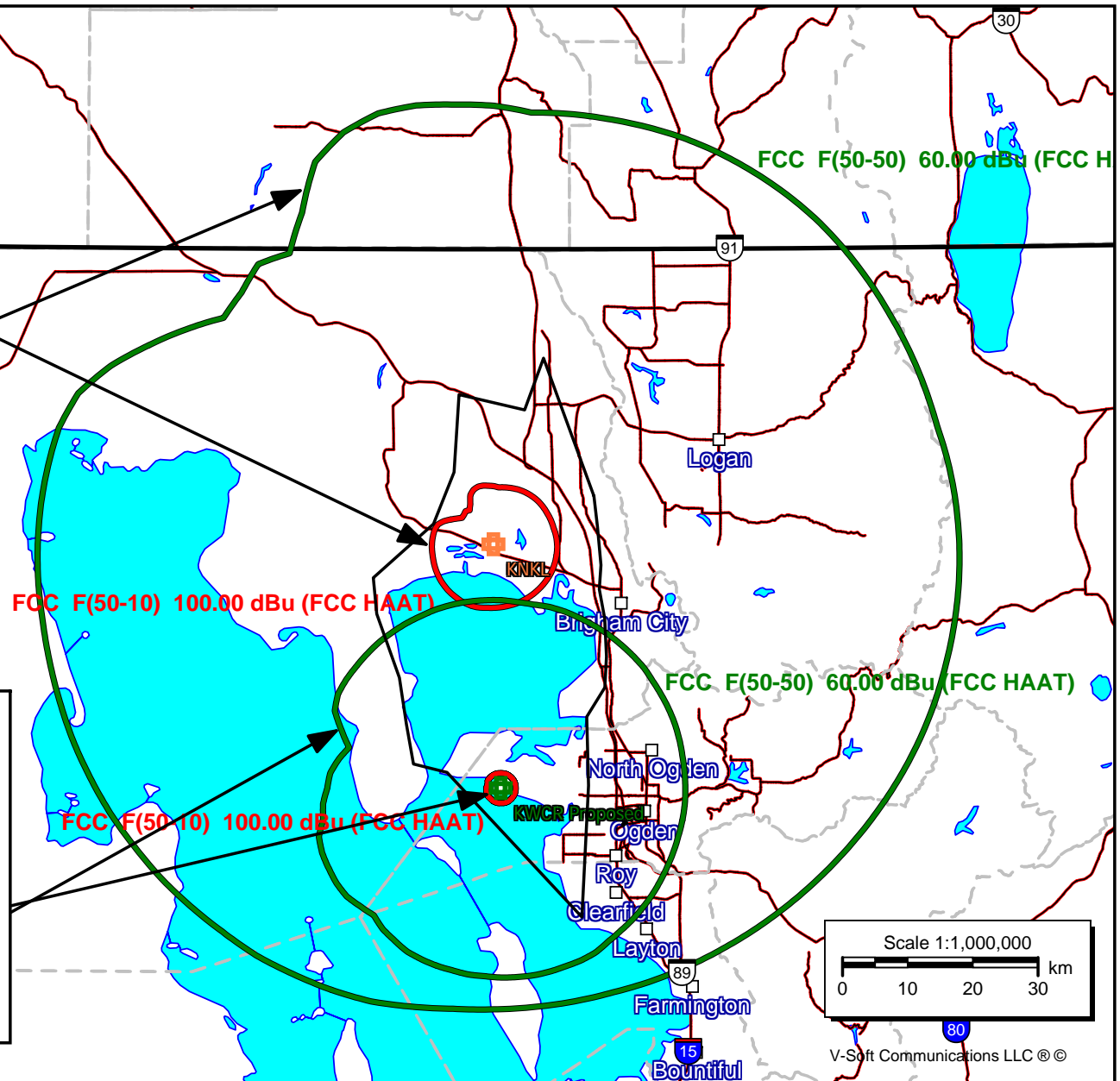
EMF believes that this proposed modification of KWCR-FM falls within the scope of this special operating condition.

Note also the overlap area of the KNKL 100dbu interfering contour to the proposed KWCR 60dbu service contour falls entirely over water.

KWCR Proposed and KNKL Licensed Protected and Interfering Contours

KNKL
 BLED20060616AAE
 Latitude: 41-35-30 N
 Longitude: 112-14-57 W
 ERP: 73.00 kW
 Channel: 204
 Frequency: 88.7 MHz
 AMSL Height: 1623.0 m
 Horiz. Pattern: Omni
 Vert. Pattern: No
 Prop Model: None

KWCR Proposed
 Latitude: 41-15-18.40 N
 Longitude: 112-14-08.80 W
 ERP: 1.55 kW
 Channel: 201
 Frequency: 88.1 MHz
 AMSL Height: 1482.0 m
 Horiz. Pattern: Omni
 Vert. Pattern: No
 Prop Model: None



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