

Proposed Minor Change Application

This minor change application proposes a change from channel 208 to channel 261 (I.F. channel) and a change in the antenna as is indicated below:

	Licensed	Minor Change
Channel / Class	208 D	261 D (I.F.)
Geographical Coordinates	41 39 10 / 92 04 19	41 39 10 / 92 04 19
ASRN	N/A	N/A
Site AMSL	266 m	266 m
Tower AGL	22 m	22 m
COR AMSL	288 m	288 m
COR AGL	22 m	22 m
HAAT	41 m	41 m
ERP	0.010 kW (V only, non-DA)	0.010 kW (V, DA)

The below listed pages of this exhibit contains information as indicated.

Page 2 Tabulation of HAAT / ERP / distance to 60 dBu contour
Page 3 60 dBu contour map
Page 4 - 6 Allocation study

Tabulation of HAAT / ERP / distance to 60 dBu contour

CH 261 41 39 10 / 92 04 19 0.010 kW ERP (V, DA) 288 M COR AMSL 41 M HAAT

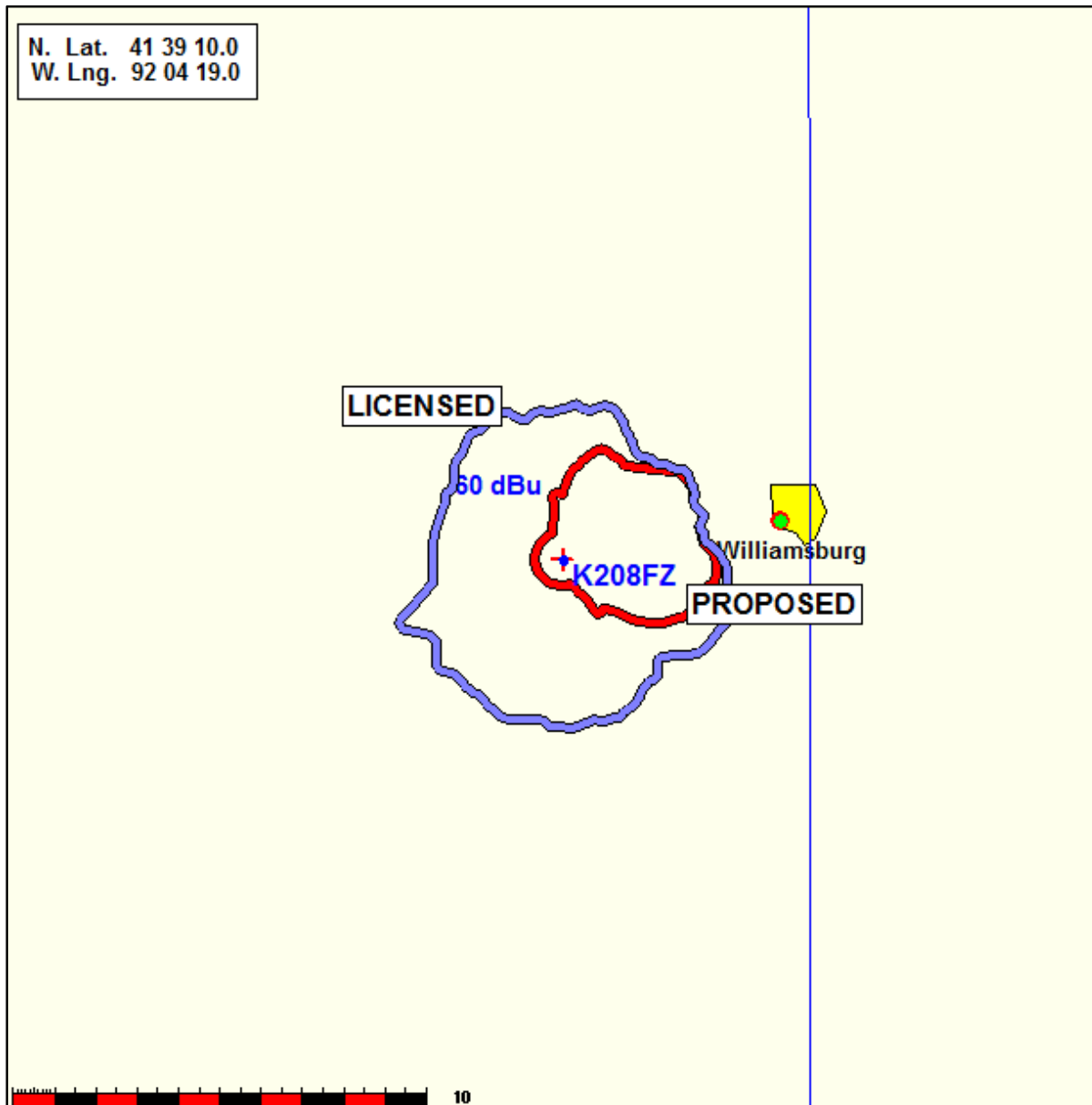
Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	247.1	40.9	0.0004	-34.42	0.190	1.64
010	246.8	41.2	0.0015	-28.18	0.390	2.37
020	244.5	43.5	0.0030	-25.29	0.544	2.83
030	254.1	33.9	0.0048	-23.22	0.690	2.80
040	257.1	30.9	0.0067	-21.76	0.817	2.90
050	251.7	36.3	0.0084	-20.76	0.916	3.31
060	248.3	39.7	0.0096	-20.18	0.980	3.59
070	250.8	37.2	0.0100	-20.00	1.000	3.49
080	250.9	37.1	0.0096	-20.18	0.980	3.46
090	243.5	44.5	0.0084	-20.75	0.917	3.70
100	240.2	47.8	0.0067	-21.76	0.817	3.63
110	235.0	53.0	0.0048	-23.22	0.690	3.53
120	237.6	50.4	0.0030	-25.29	0.544	3.04
130	246.1	41.9	0.0015	-28.18	0.390	2.39
140	247.9	40.1	0.0004	-34.42	0.190	1.62
150	244.1	43.9	0.0000	-46.02	0.050	1.11
160	237.7	50.3	0.0000	-50.46	0.030	0.67
170	239.1	48.9	0.0000	-50.46	0.030	0.67
180	237.5	50.5	0.0000	-50.46	0.030	0.67
190	239.9	48.1	0.0000	-50.46	0.030	0.67
200	236.9	51.1	0.0000	-50.46	0.030	0.67
210	242.2	45.8	0.0000	-50.46	0.030	0.67
220	243.2	44.8	0.0000	-50.46	0.030	0.67
230	240.3	47.7	0.0000	-50.46	0.030	0.67
240	245.7	42.3	0.0000	-50.46	0.030	0.67
250	237.5	50.5	0.0000	-50.46	0.030	0.67
260	256.8	31.2	0.0000	-50.46	0.030	0.67
270	263.0	25.0	0.0000	-50.46	0.030	0.67
280	264.9	23.1	0.0000	-50.46	0.030	0.67
290	262.9	25.1	0.0000	-50.46	0.030	0.67
300	256.2	31.8	0.0000	-50.46	0.030	0.67
310	252.0	36.0	0.0000	-50.46	0.030	0.67
320	247.3	40.7	0.0000	-50.46	0.030	0.67
330	245.3	42.7	0.0000	-50.46	0.030	0.67
340	244.9	43.1	0.0000	-50.46	0.030	0.67
350	247.2	40.8	0.0000	-46.02	0.050	1.11

FCC 30 SEC

(yellow highlighted values establish average HAAT)

60 dBu Contour

The proposed 60 dBu will continue to have overlap with the licensed 60 dBu contour.



Allocation Study

CH 261		41 39 10 / 92 04 19		0.010 kW ERP (V, DA)		288 M COR AMSL		41 M HAAT		
CH	CALL	TYPE	AZI.	DIST	LAT.	Pwr (kW)	INT (km)	PRO (km)	*IN*	*OUT*
CITY		STATE	<--	FILE #	LNG.	HAAT (M)	COR (M)	LICENSEE	(Overlap in km)	
<u>1st, 2nd, & 3rd adjacent channel relationships:</u>										
258D	K258BG	CP	232.5	60.44	41 19 15.0	0.250	1.1	14.7	58.7	45.8
Oskaloosa		IA	52.1	BPFT20160328ABR	92 38 44.0		373	Jomast Corporation		
258D	K258BG	LIC	232.5	60.44	41 19 15.0	0.099	0.7	11.5	59.1	49.0
Oskaloosa		IA	52.1	BLFT20150114AAU	92 38 44.0		369	Jomast Corporation		
259C1	KBEA-FM	LIC	92.9	90.05	41 36 23.0	100.000	9.6	70.0	76.7	19.9
Muscatine		IA	273.7	BMLH20131203AFK	90 59 35.0	265	481	Townsquare Media Quad Citi		
260L1	KUBH-LP	LIC	12.7	66.91	42 14 25.3	0.100			55.0	56.9
Urbana Garage Tower		IA	192.8	BLL20051026AHS	91 53 37.0	19	286	Iowa Department Of Transpo		
260C3	KCWN	LIC	231.5	64.24	41 17 32.0	25.000	57.0	36.3	6.5	26.7
New Sharon		IA	51.1	BLH19951025KA	92 40 24.0	86	324	Crown Broadcasting Company		
261A	KCTN	LIC	24.1	150.28	42 53 06.0	6.000	91.8	32.1	55.6	109.1
Garnavillo		IA	204.6	BLH19970407KA	91 19 11.0	100	391	Design Homes, Inc.		
261L1	KRUU-LP	LIC	172.8	71.93	41 00 36.3	0.100			52.7	64.0
Fairfield		IA	352.9	BLL20061010AME	91 57 53.7	25	255	Fairfield Youth Advocacy,		
261D	K261DH	LIC	85.6	47.04	41 41 02.0	0.047	26.7	8.0	16.8	27.8
Iowa City		IA	266.0	BLFT20070816ACT	91 30 31.0	82	308	Educational Media Foundation		
261B1	WKAI	LIC	140.4	160.54	40 32 01.0	25.000	110.9	41.8	48.1	112.8
Macomb		IL	321.2	BLH20080715ADX	90 51 45.0	86	296	Virden Broadcasting Corp.		
262C	KDRB	LIC	279.3	129.86	41 49 48.0	100.000	134.9	90.5	-5.7	38.0
Des Moines		IA	98.2	BLH20050323ACG	93 36 54.0	547	837	Citicasters Licenses, Inc.		
264C1	KKRQ	LIC	75.5	46.95	41 45 26.0	100.000	7.2	59.2	36.3	-12.4
Iowa City		IA	255.8	BMLH20080521AAF	91 31 31.0	162	389	Citicasters Licenses, Inc.		

I.F. relationships:

None

Allocation Study

Operating on channel 261, K208FZ will be located within the protected contour of the following third adjacent station:

KKRQ (LIC), CH 264 C1, Iowa City, IA

KKRQ signal strength at the K208FZ site	65.9 dBu
K208FZ corresponding interference contour	105.9 dBu
Distance to K208FZ interference contour	112.4 meters

The below chart demonstrates that utilizing the specified antenna the interference contour will not reach the ground, therefore, a waiver of Section 74.1204(d) is respectfully requested based on the showing of no population within the area of predicted interference.

ERP	0.010 kW
Antenna COR AGL height	22 meters
Translator IX contour	105.9 dBu
Antenna	Scala CLFM-V/2 0.875 wave spacing

Depression Angle from Horizon	Antenna Relative Field	ERP (kw) from the Antenna RF	IX Contour dist. (m)	IX Contour Height above ground (m)
0	1.000	0.0100	112.4605	22.000
5	0.952	0.0091	107.0624	12.669
10	0.844	0.0071	94.9167	5.518
15	0.678	0.0046	76.2482	2.266
20	0.484	0.0023	54.4309	3.384
25	0.292	0.0009	32.8385	8.122
30	0.126	0.0002	14.1700	14.915
35	0.010	0.0000	1.1246	21.355
40	0.092	0.0001	10.3464	15.349
45	0.131	0.0002	14.7323	11.583
50	0.127	0.0002	14.2825	11.059
55	0.098	0.0001	11.0211	12.972
60	0.062	0.0000	6.9726	15.962
65	0.036	0.0000	4.0486	18.331
70	0.017	0.0000	1.9118	20.203
75	0.010	0.0000	1.1246	20.914
80	0.010	0.0000	1.1246	20.892
85	0.010	0.0000	1.1246	20.880
90	0.100	0.0001	11.2460	10.754

Allocation Study

Map of Site

