

**January 2007  
KSAJ-FM Channel 253C1  
Burlingame, KS  
Allocation Study**

The instant application proposes to implement the Report and Order in MM Docket No. 05-133, which reallocated KSAJ-FM from Abilene to Burlingame.

**Channel 253C1 Transmitter Site**

The attached spacing study shows that the proposed transmitter site meets the co-channel and adjacent channel spacing requirements for Class C1 stations as prescribed in §73.207 of the Commission's Rules, with the exception of a short-spacing to KQKQ-FM 253C Council Bluffs.

Operation of the KSAJ-FM facility proposed herein would result in KSAJ-FM receiving prohibited contour overlap from the hypothetical maximum Class C operation of KQKQ-FM. However, KQKQ-FM operates at just 336 meters HAAT. Per the Second Report and Order in MM Docket No. 98-93, that figure is below the maximum for the new Class CØ.

A search for an alternative channel for use by KSAJ-FM at this site which 1) would not require reclassification of KQKQ-FM to avoid conflict with the proposed KSAJ-FM technical facility, and 2) would not require any other changes to the Table of Allotments, reveals that no alternative channel is available for the proposed service.

Therefore, the applicant respectfully requests that KXRX be reclassified as a Class CØ facility, and that the instant KSAJ-FM application be processed under §73.215 with respect to KQKQ-FM. The attached allocation study map is included to demonstrate the lack of prohibited contour overlap with KQKQ-FM 253CØ Council Bluffs.

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## SEARCH PARAMETERS

FM Database Date: 070108

Channel: 253C1 98.5 MHz  
 Latitude: 39 0 22  
 Longitude: 96 2 57  
 Safety Zone: 50 km  
 Job Title: KSAJ 253C1 BURLINGAME

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Call Status	City St	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude	Bearing deg-True	Dist (km)	Req (km)
NEW-T APP	CLAY CENTER KS	BNPFT-030317INJ	250D 97.9	0.115 146.0	39-23-20 097-06-45	295.3	101.21 0.00	0 TRANS
KUDL LIC	KANSAS CITY KS	BLH-030423AAV	251C0 98.1	100.000 335.0	39-01-20 094-30-49	88.7	133.01 39.01	94 CLEAR
KUDLaux LIC	KANSAS CITY KS	BXLH-060328AHN	251C 98.1	36.000 254.0	39-01-20 094-30-49	88.7	133.01 0.00	0 AUX
KUDLaux LIC	KANSAS CITY KS	BLH-950113KZ	251C 98.1	28.000 131.0	39-04-24 094-29-06	86.3	135.63 0.00	0 AUX
KUDLaux LIC	KANSAS CITY KS	BXLH-010411AAL	251C 98.1	19.500 129.0	39-00-58 094-41-23	89.0	117.75 0.00	0 AUX
NEW-T APP	IOLA KS	BNPFT-030317IOQ	252D 98.3	0.250 108.0	37-54-04 095-24-04	155.1	135.07 0.00	0 TRANS
NEW-T APP	MANHATTAN KS	BNPFT-030317KVQ	252D 98.3	0.250 130.0	39-14-12 096-35-25	298.9	53.34 0.00	0 TRANS
K252DT CP MOD	SENECA KS	BMPFT-060915APH	252D 98.3	0.205 113.0	39-47-05 096-11-45	351.8	87.36 0.00	0 TRANS
KSMK-LP LIC	ST. MARYS KS	BLL-020619ACF	252L1 98.3	0.053 41.0	39-11-30 096-03-26	358.1	20.61 0.00	0 LPFM
KQKQ-FM LIC	COUNCIL BLUFFS IA	BLH-021211AAA	253C 98.5	100.000 336.0	41-18-25 096-01-37	0.4	255.48 -14.52	270 SHORT
NOTE: TO BE RECLASSIFIED AS CLASS CZERO								
KQKQaux LIC	COUNCIL BLUFFS IA	BXLH-880930KA	253C 98.5	44.000 155.0	41-15-34 095-56-58	1.9	250.34 0.00	0 AUX
KSAJ-FM LIC	ABILENE KS	BLH-850401LA	253C1 98.5	100.000 134.0	38-47-50 097-13-01	257.4	103.92 -141.08	245 SHORT
RSV	BURLINGAME KS	RM-11206	253C1 98.5	0.000 0.0	38-52-29 095-58-05	154.3	16.19 -228.81	245 SHORT

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NEW-T	CHANUTE		253D	0.250	37-44-52	162.9	146.05	0
APP	KS BNPFT-030312AEM		98.5	110.0	095-33-39		0.00	TRANS
NEW-T	DE SOTO		253D	0.041	39-00-45	89.2	88.33	0
APP	KS BNPFT-030317BLL		98.5	256.0	095-01-46		0.00	TRANS
NEW-T	FORT SCOTT		253D	0.062	37-49-43	137.4	176.79	0
APP	KS BNPFT-030317FAH		98.5	203.0	094-41-10		0.00	TRANS
NEW-T	IOLA		253D	0.115	37-57-24	153.0	130.66	0
APP	KS BNPFT-030317FBN		98.5	163.0	095-22-16		0.00	TRANS
NEW-T	LAWRENCE		253D	0.041	38-57-14	94.7	67.79	0
APP	KS BNPFT-030317FCP		98.5	255.0	095-16-11		0.00	TRANS
NEW-T	LEAVENWORTH		253D	0.092	39-25-01	66.7	117.71	0
APP	KS BNPFT-030317FCT		98.5	164.0	094-47-34		0.00	TRANS
NEW-T	LOUISBURG		253D	0.075	38-35-10	110.2	132.60	0
APP	KS BNPFT-030317FCX		98.5	196.0	094-37-13		0.00	TRANS
NEW-T	OSAWATOMIE		253D	0.140	38-28-32	121.2	113.02	0
APP	KS BNPFT-030317FDM		98.5	146.0	094-56-23		0.00	TRANS
NEW-T	OTTAWA		253D	0.115	38-33-51	126.9	81.51	0
APP	KS BNPFT-030317FDP		98.5	158.0	095-18-00		0.00	TRANS
KCHI-FM	CHILLICOTHE		253A	3.200	39-44-50	67.5	222.99	200
LIC	MO BLH-021031ABI		98.5	138.0	093-38-38		22.99	CLEAR
KCHI-FM	CHILLICOTHE		253A	0.000	39-43-40	68.4	226.14	200
RSV	MO RM-10017		98.5	0.0	093-35-43		26.14	CLEAR
NEW-T	KANSAS CITY		253D	0.023	38-58-42	90.9	131.34	0
APP	MO BNPFT-030317FYA		98.5	365.0	094-32-01		0.00	TRANS
NEW-T	ST. JOSEPH		253D	0.075	39-51-31	47.8	142.23	0
APP	MO BNPFT-030317GAM		98.5	197.0	094-48-58		0.00	TRANS
RSV	WINDSOR		253A	0.000	38-31-56	102.7	225.85	200
	MO RM-10061		98.5	0.0	093-31-19		25.85	CLEAR

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SEARCH PARAMETERS

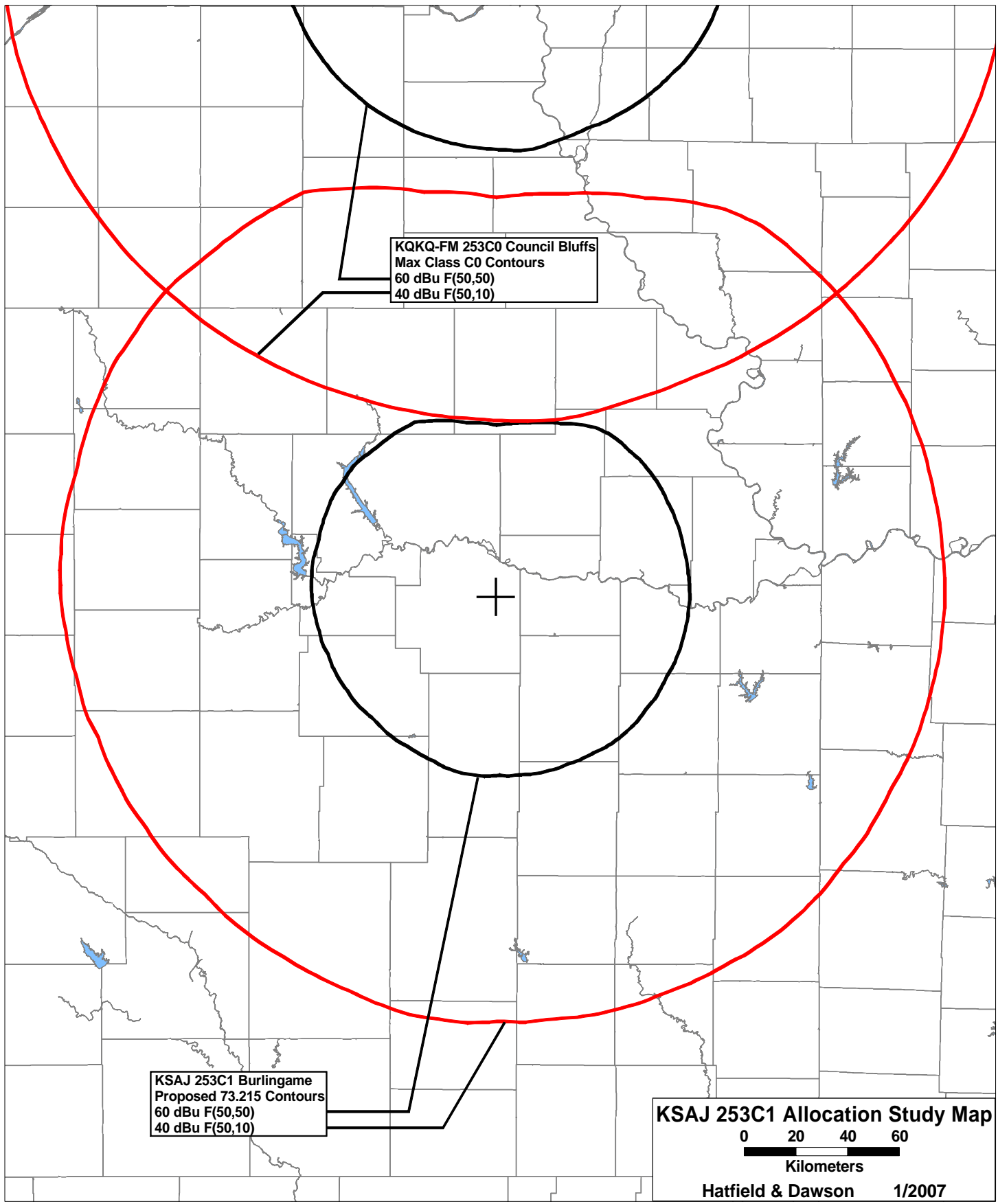
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KWKJ RSV	WINDSOR MO -		253C3 98.5	0.000 0.0	38-27-04 093-35-35	105.4	222.29 11.29	211 CLEAR
KWKJ LIC	WINDSOR MO BLH-060629AFL		253C3 98.5	9.000 DA 163.0	38-35-37 093-31-26	101.0 SS	224.10 13.10	211 CLEAR
KVOO-FM LIC	TULSA OK BLH-880420KC		253C 98.5	100.000 374.0	36-11-26 096-05-50	180.8	312.52 42.52	270 CLEAR
K254BI CP MOD	EUREKA KS BMPFT-061204AJK		254D 98.7	0.170 123.0	37-55-39 096-14-41	188.1	120.94 0.00	0 TRANS
KQRCaux CP	LEAVENWORTH KS BXPB-030407AAW		255C 98.9	65.000 254.0	39-01-20 094-30-49	88.7	133.01 0.00	0 AUX
KQRC-FM LIC	LEAVENWORTH KS BLH-030422ABJ		255C0 98.9	100.000 335.0	39-01-20 094-30-49	88.7	133.01 39.01	94 CLEAR
KQRCaux LIC	LEAVENWORTH KS BXLH-010411AAO		255C 98.9	19.500 129.0	39-00-58 094-41-23	89.0	117.75 0.00	0 AUX
NEW-T APP	MANHATTAN KS BNPFT-030317KXB		255D 98.9	0.250 130.0	39-14-12 096-35-25	298.9	53.34 0.00	0 TRANS
NEW-T APP	MANHATTAN KS BNPFT-030317KWK		256D 99.1	0.250 130.0	39-14-12 096-35-25	298.9	53.34 0.00	0 TRANS

44444 END OF FM SPACING STUDY FOR CHANNEL 253 44444



KQKQ-FM 253C0 Council Bluffs  
Max Class C0 Contours  
60 dBu F(50,50)  
40 dBu F(50,10)

KSAJ 253C1 Burlingame  
Proposed 73.215 Contours  
60 dBu F(50,50)  
40 dBu F(50,10)

**KSAJ 253C1 Allocation Study Map**

0 20 40 60  
Kilometers

Hatfield & Dawson 1/2007