

**Engineering
KYRT Channel 250A
Hunt, TX
Allocation Study**

By the instant minor change application, it is proposed to modify the authorization for KYRT from Channel 249A at Mason, TX to Channel 250A at Hunt, TX. Separate allotment and transmitter sites are proposed.

Channel 250A Allotment Site

The attached spacing study shows that the proposed Hunt Channel 250A allotment site meets the co-channel and adjacent channel spacing requirements for Class A stations as prescribed in §73.207 of the Commission's Rules. Any indicated short-spacings are irrelevant, as discussed below.

Channel 247C San Antonio: The spacing study indicates a 9 km short-spacing and a 12 km short-spacing to two proposals to delete Channel 247C at San Antonio. However, station KAJA has been reclassified as a Class C0 facility on Channel 247C0, and so there is no longer any need to provide spacing protection to the old Class C allotment. The proposed Hunt 250A allotment site is fully-spaced to the KAJA license.

Channel 249C1 Converse: The spacing study indicates a 23 km short-spacing to proposals to add Channel 249C1 at Converse, in Dockets 00-148 and 05-112. The Converse proposal has been dismissed by Report & Order in each of those proceedings, which actions are now effective. Pursuant to the policy enunciated in Auburn (MM Docket No. 01-104) the instant proposal can rely upon the effective action in Dockets 00-148 and 05-112, and ignore the Channel 249C1 proposals for Converse.

Channel 249C1 McQueeney: The spacing study indicates a 22 km short-spacing and a 23 km short-spacing to two proposals to delete Channel 249C1 at McQueeney. The instant proposal is fully-spaced, however, to the KLTO-FM license on Channel 249C1 at McQueeney. Therefore the short-spacings to the McQueeney deletion records are moot.

Channel 250A Transmitter Site

The attached spacing study shows that the proposed Hunt Channel 250A transmitter site meets the co-channel and adjacent channel spacing requirements for Class A stations as prescribed in §73.207 of the Commission's Rules, with the exception of a short-spacing to the licensed operation of station KAJA on Channel 247C0 at San Antonio. Processing pursuant to §73.215 of the Commission's Rules is requested with respect to the KAJA license, and the attached allocation study map is included to demonstrate the lack of prohibited contour overlap with that facility. Any other indicated short-spacings are irrelevant, as discussed below.

Channel 247C San Antonio: The spacing study indicates an 11 km short-spacing and a 14 km short-spacing to two proposals to delete Channel 247C at San Antonio. However, station KAJA has been reclassified as a Class C0 facility on Channel 247C0, and so there is no longer any need to provide spacing protection to the old Class C allotment.

Channel 249C1 Converse: The spacing study indicates a 25 km short-spacing to proposals to add Channel 249C1 at Converse, in Dockets 00-148 and 05-112. The Converse proposal has been dismissed by Report & Order in each of those proceedings, which actions are now effective. Pursuant to the policy enunciated in Auburn (MM Docket No. 01-104) the instant proposal can rely upon the effective action in Dockets 00-148 and 05-112, and ignore the Channel 249C1 proposals for Converse.

Channel 249C1 McQueeney: The spacing study indicates a 25 km short-spacing to two proposals to delete Channel 249C1 at McQueeney. The instant proposal is fully-spaced, however, to the KLTO-FM license on Channel 249C1 at McQueeney. Therefore the short-spacings to the McQueeney deletion records are moot.

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SEARCH PARAMETERS

FM Database Date: 091125

Channel: 250A 97.9 MHz
 Latitude: 30 9 39
 Longitude: 99 14 40
 Safety Zone: 50 km
 Job Title: HUNT 250A ALLOTMENT SITE

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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)
	SAN ANTONIO		247C	0.000	29-38-00	134.6	83.27	95
DEL	TX RM-11374		97.3	0.0	098-37-50		-11.73	SHORT
NOTE: KAJA HAS BEEN RECLASSIFIED AS CLASS C0 FACILITY								
	SAN ANTONIO		247C	0.000	29-30-01	148.4	85.98	95
DEL	TX RM-bh-5*		97.3	0.0	098-46-41		-9.02	SHORT
NOTE: KAJA HAS BEEN RECLASSIFIED AS CLASS C0 FACILITY								
KAJA	SAN ANTONIO		247C0	100.000	29-31-25	144.5	86.73	86
LIC	TX BMLH-10412AAK		97.3	300.0	098-43-25		0.73	CLOSE
KAJAaux	SAN ANTONIO		247C0	35.000	29-38-00	134.6	83.27	0
LIC	TX BXLH-90830AAQ		97.3	155.0	098-37-50		0.00	AUX
	WACO		248C	0.000	30-18-27	83.0	141.96	95
DEL	TX RM-bh-20		97.5	0.0	097-46-46		46.96	CLEAR
	CONVERSE		249C1	0.000	29-25-07	138.2	110.35	133
ADD	TX RM-11374		97.7	0.0	098-29-02		-22.65	SHORT
NOTE: THIS PROPOSAL IN DOCKET 05-112 WAS DISMISSED								
	CONVERSE		249C1	0.000	29-25-07	138.2	110.35	133
ADD	TX RM-bh-19		97.7	0.0	098-29-02		-22.65	SHORT
NOTE: THIS PROPOSAL IN DOCKET 00-148 WAS DISMISSED								
	CONVERSE		249C1	0.000	29-25-07	138.2	110.35	133
ADD	TX RM-bh-24		97.7	0.0	098-29-02		-22.65	SHORT
NOTE: THIS PROPOSAL IN DOCKET 00-148 WAS DISMISSED								
KYRT	MASON		249A	2.400	30-42-03	1.0	59.87	72
CP MOD	TX BMPH-70718AAJ		97.7	160.0	099-13-59		-12.13	SHORT
	MCQUEENEY		249C1	0.000	29-31-46	129.0	110.97	133
DEL	TX RM-11374		97.7	0.0	098-21-12		-22.03	SHORT
NOTE: FULLY-SPACED TO KLTO-FM 249C1 MCQUEENEY LICENSE								
	MCQUEENEY		249C1	0.000	29-25-07	138.2	110.35	133
DEL	TX RM-bh-19		97.7	0.0	098-29-02		-22.65	SHORT
NOTE: FULLY-SPACED TO KLTO-FM 249C1 MCQUEENEY LICENSE								
KLTO-FM	MCQUEENEY		249C1	100.000	29-22-11	119.5	176.37	133
LIC	TX BLH-61114AAL		97.7	299.0	097-39-44		43.37	CLEAR

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SEARCH PARAMETERS

FM Database Date: 091125

Channel: 250A 97.9 MHz

Page 2

Latitude: 30 9 39

Longitude: 99 14 40

Safety Zone: 50 km

Job Title: HUNT 250A ALLOTMENT SITE

Call Status	City St	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude	Bearing deg-True	Dist (km)	Req (km)
VAC	BANGS TX RM-10727	250C3 97.9	0.000 0.0	31-41-32 099-15-17	359.7	169.78 27.78	142 CLEAR	
DEL	BANGS TX RM-dtn-036	250C3 97.9	0.000 0.0	31-41-32 099-15-17	359.7	169.78 27.78	142 CLEAR	
ADD	BATESVILLE TX RM-10147	250A 97.9	0.000 0.0	29-01-34 099-30-59	191.8	128.50 13.50	115 CLEAR	
ADD	BATESVILLE TX RM-11493	250A 97.9	0.000 0.0	28-58-27 099-30-12	190.8	133.90 18.90	115 CLEAR	
NEW RSV	BATESVILLE TX -	250A 97.9	0.000 0.0	28-58-27 099-30-12	190.8	133.90 18.90	115 CLEAR	
NEW APP	BATESVILLE TX BNPB-80812AAI	250A 97.9	6.000 100.0	28-58-27 099-30-12	190.8	133.90 18.90	115 CLEAR	
ADD	EDEN TX RM-dtn-036	250A 97.9	0.000 0.0	31-12-30 099-42-09	339.5	124.14 9.14	115 CLOSE	
KVET-FM LIC	AUSTIN TX BLH-20730ABK	251C1 98.1	49.800 397.0	30-19-23 097-47-58	82.2 SS	140.24 7.24	133 CLOSE	
KVETaux LIC	AUSTIN TX BXMLH-30610ADV	251C1 98.1	55.000 209.0	30-13-24 097-49-39	86.7	136.63 0.00	0 AUX	
VAC	CAMP WOOD TX RM-9546	251C3 98.1	0.000 0.0	29-42-53 100-00-56	236.5	89.38 0.38	89 CLOSE	
NEW-T APP	KERRVILLE TX BNPFT-30314AJB	251D 98.1	0.170 134.0	30-03-51 099-08-16	136.3	14.85 0.00	0 TRANS	
NEW-T APP	KERRVILLE TX BNPFT-30317BVC	251D 98.1	0.050 136.0	30-05-04 099-11-36	149.9	9.80 0.00	0 TRANS	
KBBT LIC	SCHERTZ TX BLH-10122AIJ	253C1 98.5	98.000 302.0	29-31-25 098-43-25	144.5	86.73 11.73	75 CLEAR	
KBBTaux LIC	SCHERTZ TX BXLH-60616ABG	253C1 98.5	9.000 265.0	29-31-25 098-43-25	144.5	86.73 0.00	0 AUX	

44444 END OF FM SPACING STUDY FOR CHANNEL 250 44444

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SEARCH PARAMETERS

FM Database Date: 091125

Channel: 250A 97.9 MHz
 Latitude: 30 8 51
 Longitude: 99 13 14
 Safety Zone: 50 km
 Job Title: KYRT 250A TRANSMITTER SITE

Page 1

Call Status	City St	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude	Bearing deg-True	Dist (km)	Req (km)
	SAN ANTONIO		247C	0.000	29-38-00	135.0	80.60	95
DEL	TX RM-11374		97.3	0.0	098-37-50		-14.40	SHORT
NOTE: KAJA HAS BEEN RECLASSIFIED AS CLASS C0 FACILITY								
	SAN ANTONIO		247C	0.000	29-30-01	149.2	83.52	95
DEL	TX RM-bh-5*		97.3	0.0	098-46-41		-11.48	SHORT
NOTE: KAJA HAS BEEN RECLASSIFIED AS CLASS C0 FACILITY								
KAJA	SAN ANTONIO		247C0	100.000	29-31-25	145.2	84.20	86
LIC	TX BMLH-10412AAK		97.3	300.0	098-43-25		-1.80	SHORT
ABSOLUTE MINIMUM 73.215 SPACING = 80 KM								
KAJAaux	SAN ANTONIO		247C0	35.000	29-38-00	135.0	80.60	0
LIC	TX BXLH-90830AAQ		97.3	155.0	098-37-50		0.00	AUX
	WACO		248C	0.000	30-18-27	82.3	139.86	95
DEL	TX RM-bh-20		97.5	0.0	097-46-46		44.86	CLEAR
	CONVERSE		249C1	0.000	29-25-07	138.6	107.71	133
ADD	TX RM-11374		97.7	0.0	098-29-02		-25.29	SHORT
NOTE: THIS PROPOSAL IN DOCKET 05-112 WAS DISMISSED								
	CONVERSE		249C1	0.000	29-25-07	138.6	107.71	133
ADD	TX RM-bh-19		97.7	0.0	098-29-02		-25.29	SHORT
NOTE: THIS PROPOSAL IN DOCKET 00-148 WAS DISMISSED								
	CONVERSE		249C1	0.000	29-25-07	138.6	107.71	133
ADD	TX RM-bh-24		97.7	0.0	098-29-02		-25.29	SHORT
NOTE: THIS PROPOSAL IN DOCKET 00-148 WAS DISMISSED								
KYRT	MASON		249A	2.400	30-42-03	358.9	61.35	72
CP MOD	TX BMPH-70718AAJ		97.7	160.0	099-13-59		-10.65	SHORT
	MCQUEENEY		249C1	0.000	29-31-46	129.2	108.25	133
DEL	TX RM-11374		97.7	0.0	098-21-12		-24.75	SHORT
NOTE: FULLY-SPACED TO KLTO-FM 249C1 MCQUEENEY LICENSE								
	MCQUEENEY		249C1	0.000	29-25-07	138.6	107.71	133
DEL	TX RM-bh-19		97.7	0.0	098-29-02		-25.29	SHORT
NOTE: FULLY-SPACED TO KLTO-FM 249C1 MCQUEENEY LICENSE								

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SEARCH PARAMETERS

FM Database Date: 091125

Channel: 250A 97.9 MHz
 Latitude: 30 8 51
 Longitude: 99 13 14
 Safety Zone: 50 km
 Job Title: KYRT 250A TRANSMITTER SITE

Page 2

Call Status	City St	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude	Bearing deg-True	Dist (km)	Req (km)
KLTO-FM LIC	MCQUEENEY TX BLH-61114AAL		249C1 97.7	100.000 299.0	29-22-11 097-39-44	119.5	173.64 40.64	133 CLEAR
VAC	BANGS TX RM-10727		250C3 97.9	0.000 0.0	31-41-32 099-15-17	358.9	171.29 29.29	142 CLEAR
DEL	BANGS TX RM-dtn-036		250C3 97.9	0.000 0.0	31-41-32 099-15-17	358.9	171.29 29.29	142 CLEAR
ADD	BATESVILLE TX RM-10147		250A 97.9	0.000 0.0	29-01-34 099-30-59	193.0	127.56 12.56	115 CLEAR
ADD	BATESVILLE TX RM-11493		250A 97.9	0.000 0.0	28-58-27 099-30-12	191.9	132.91 17.91	115 CLEAR
NEW RSV	BATESVILLE TX -		250A 97.9	0.000 0.0	28-58-27 099-30-12	191.9	132.91 17.91	115 CLEAR
NEW APP	BATESVILLE TX BNPB-80812AAI		250A 97.9	6.000 100.0	28-58-27 099-30-12	191.9	132.91 17.91	115 CLEAR
ADD	EDEN TX RM-dtn-036		250A 97.9	0.000 0.0	31-12-30 099-42-09	338.8	126.35 11.35	115 CLEAR
KVET-FM LIC	AUSTIN TX BLH-20730ABK		251C1 98.1	49.800 397.0	30-19-23 097-47-58	81.5 SS	138.17 5.17	133 CLOSE
KVETaux LIC	AUSTIN TX BXMLH-30610ADV		251C1 98.1	55.000 209.0	30-13-24 097-49-39	86.0	134.43 0.00	0 AUX
VAC	CAMP WOOD TX RM-9546		251C3 98.1	0.000 0.0	29-42-53 100-00-56	238.1	90.52 1.52	89 CLOSE
NEW-T APP	KERRVILLE TX BNPFT-30314AJB		251D 98.1	0.170 134.0	30-03-51 099-08-16	139.3	12.21 0.00	0 TRANS
NEW-T APP	KERRVILLE TX BNPFT-30317BVC		251D 98.1	0.050 136.0	30-05-04 099-11-36	159.5	7.47 0.00	0 TRANS
KBBT LIC	SCHERTZ TX BLH-10122AIJ		253C1 98.5	98.000 302.0	29-31-25 098-43-25	145.2	84.20 9.20	75 CLOSE
KBBTaux LIC	SCHERTZ TX BXLH-60616ABG		253C1 98.5	9.000 265.0	29-31-25 098-43-25	145.2	84.20 0.00	0 AUX

44444 END OF FM SPACING STUDY FOR CHANNEL 250 44444

KYRT 250A Hunt
Proposed 73.215 Contours
60 dBu F(50,50)
100 dBu F(50,10)

GILLESPIE

KERR



KAJA 247C0 San Antonio
Max Class C0 Contour
60 dBu F(50,50)

BANDERA

KYRT 250A Allocation Study Map

0 7 14 21

Kilometers

Hatfield & Dawson

12/2009