

**May 2013
KPAU(FM) Channel 278C3
Center, Colorado
Allocation Study**

The instant application proposes a “one step” upgrade of KPAU, from Channel 278A to Channel 278C3. Separate allotment and transmitter sites are proposed.

Channel 278C3 Allotment Site

The attached spacing study shows that the proposed Channel 278C3 allotment site meets the co-channel and adjacent channel spacing requirements for Class C3 stations as prescribed in §73.207 of the Commission's Rules. This site is located 18.5 km from the far side of Center. The standard 70 dBu contour distance for a Class C3 facility is 23.2 kilometers. Therefore, this site will provide 70 dBu service to 100% of Center.

Channel 278C3 Transmitter Site

The attached spacing study shows that the proposed Channel 278C3 transmitter site meets the co-channel and adjacent channel spacing requirements for Class C3 stations as prescribed in §73.207 of the Commission's Rules.

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SEARCH PARAMETERS                               FM Database Date: 100310
Channel: 278C3 103.5 MHz                        Page 1
Latitude: 37 51 28
Longitude: 106 15 10
Safety Zone: 32 km
Job Title: CENTER 278C3 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)
K276AU LIC	DEL NORTE CO	BLFT-800429IY	276D 103.1	0.084 182.0	37-40-12 106-21-10	202.9	22.63 0.00	0 TRANS
KJQY CP MOD	COLORADO CITY CO	BMPH-80626AAB	277C1 103.3	100.000 165.0	37-46-52 104-32-03	92.7	151.56 7.56	144 CLOSE
K278AW LIC	CANON CITY CO	BLFT-70730ACH	278D 103.5	0.010 42.0	38-25-53 105-14-00	54.1	109.73 0.00	0 TRANS
KPAU LIC	CENTER CO	BLH-90507ABO	278A 103.5	0.460 8.0	37-47-20 106-06-43	121.7	14.57 -127.43	142 SHORT
NEW-T APP	COLORADO SPRINGS CO	BNPFT-30312AJN	278D 103.5	0.010 959.0	38-44-43 104-51-39	50.5	156.62 0.00	0 TRANS
K278AY LIC	DEL NORTE CO	BLFT-51130AYM	278D 103.5	0.010 849.0	37-43-47 106-35-18	244.3	32.80 0.00	0 TRANS
KRFX LIC	DENVER CO	BLH-70927AIC	278C0 103.5	100.000 346.0	39-43-59 105-14-10	22.6	226.14 0.14	226 CLOSE
KRFXaux LIC	DENVER CO	BXLH-60804AEN	278C0 103.5	100.000 238.0	39-43-59 105-14-10	22.6	226.14 0.00	0 AUX
K278BD LIC	REDSTONE CO	BLFT-50607ACL	278D 103.5	0.019 602.0	39-14-20 107-13-02	331.7	174.85 0.00	0 TRANS
K278AO LIC	TRINIDAD CO	BLFT-00626AGC	278D 103.5	0.034 429.0	37-14-51 104-31-31	113.5	167.00 0.00	0 TRANS
KBNG LIC	RIDGWAY CO	BLH-30521ABD	279C2 103.7	4.100 480.0	38-23-15 107-40-31	295.8	137.90 20.90	117 CLEAR
KLNN LIC	QUESTA NM	BLH-60927AKI	279C1 103.7	51.000 -64.3	36-39-23 105-37-57	157.5	144.24 0.24	144 CLOSE
KLNNaux LIC	QUESTA NM	BXLH-61106AAV	279C1 103.7	0.380 -125.0	36-25-05 105-37-03	160.4	169.45 0.00	0 AUX
K281BC LIC	ALAMOSA CO	BLFT-70807AEK	281D 104.1	0.075 199.0	37-23-14 105-39-21	134.7	74.19 0.00	0 TRANS

===== END OF FM SPACING STUDY FOR CHANNEL 278 =====

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SEARCH PARAMETERS                      FM Database Date: 130515
Channel: 278C3 103.5 MHz                Page 1
Latitude: 37 43 47
Longitude: 106 35 18
Safety Zone: 32 km
Job Title: KPAU 278C3 TRANSMITTER 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)
K276AU LIC	DEL NORTE CO	BLFT-800429IY	276D 103.1	0.084 182.0	37-40-12 106-21-10	107.7	21.81 0.00	0 TRANS
NEW-T APP	DURANGO CO	BNPFT-30312APB	277D 103.3	0.030 580.0	37-20-18 107-49-21	248.6	117.42 0.00	0 TRANS
NEW-T LIC	CANON CITY CO	BLFT-70730ACH	278D 103.5	0.010 42.0	38-25-53 105-14-00	56.2	142.12 0.00	0 TRANS
KPAU CP	CENTER CO	BPH-00316AAU	278C3 103.5	0.880 504.0	37-43-47 106-35-18	0.0	0.00 -153.00	153 SHORT
KPAU LIC	CENTER CO	BLH-90507ABO	278A 103.5	0.460 8.0	37-47-20 106-06-43	80.9	42.49 -99.51	142 SHORT
K278AY LIC	DEL NORTE CO	BLFT-51130AYM	278D 103.5	0.010 849.0	37-43-47 106-35-18	0.0	0.00 0.00	0 TRANS
KRFXaux LIC	DENVER CO	BXLH-60804AEN	278C0 103.5	100.000 238.0	39-43-59 105-14-10	27.3	251.56 0.00	0 AUX
KRFX LIC	DENVER CO	BLH-70927AIC	278C0 103.5	100.000 346.0	39-43-59 105-14-10	27.3	251.56 25.56	226 CLEAR
K278AD CP MOD	MANCOS CO	BMPFT-20119ABW	278D 103.5	0.013 872.0	37-21-52 108-08-50	254.0	143.60 0.00	0 TRANS
KSNN LIC	RIDGWAY CO	BLH-30521ABD	279C2 103.7	4.100 480.0	38-23-15 107-40-31	307.9	120.13 3.13	117 CLOSE
KLNN LIC	QUESTA NM	BLH-00713AAS	279C1 103.7	51.000 -64.3	36-39-23 105-37-57	144.4	146.26 2.26	144 CLOSE
KLNNaux LIC	QUESTA NM	BXLH-61106AAV	279C1 103.7	0.380 -125.0	36-25-05 105-37-03	149.1	169.24 0.00	0 AUX

===== END OF FM SPACING STUDY FOR CHANNEL 278 =====