

May 2012
KYAT(FM) Channel 233C0
Gallup, New Mexico
Background and Allocation Study

FM station KYAT is licensed as a §73.215 short-spaced facility at Gallup, New Mexico. The only short-spacing was with a construction permit for a new station on Channel 234C1 at Overgaard, Arizona, FCC Facility ID No. 170486 (see construction permit BNPH-20070502ACR). The Overgaard 234C1 permit itself was authorized as a §73.215 facility, with a separate allotment site which was fully-spaced to the KYAT transmitter site.

On April 17, 2012, the Overgaard 234C1 permit expired unbuilt. In light of this expiration, it is believed (and has been verified with Audio Division staff) that KYAT can eliminate its own §73.215 status and increase to maximum Class C0 power by means of a single Form 302-FM application for modification of license, as allowed by §73.1690(c) of the Commission's Rules.

The attached spacing study shows that the KYAT operation meets the co-channel and adjacent channel spacing requirements for Class C0 stations as prescribed in §73.207 of the Commission's Rules. While the Overgaard 234C1 allotment site does not currently appear as an active record in the Commission's database, we have appended that location into our own internal database and it appears at the end of the spacing study. (The Overgaard 234C1 allotment coordinates were taken from BNPH-20070502ACR. Furthermore, we have confirmed that Channel 234C1 does still fit at these coordinates as a fully-spaced allotment. An additional spacing study is included to demonstrate this fact.)

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SEARCH PARAMETERS FM Database Date: 120503
 Channel: 233C0 94.5 MHz Page 1
 Latitude: 35 36 22
 Longitude: 108 41 26
 Safety Zone: 32 km
 Job Title: KYAT 233C0 GALLUP

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	EAGAR AZ	BNPFT-30317LJO	232D 94.3	0.115 164.0	34-06-16 109-18-00	198.6	175.66 0.00	0 TRANS
NEW-T APP	SHOW LOW AZ	BNPFT-30317CKN	233D 94.5	0.015 430.0	34-12-20 109-56-26	216.6	192.85 0.00	0 TRANS
NEW-T APP	TUBA CITY AZ	BNPFT-30317CML	233D 94.5	0.075 197.0	36-07-54 111-14-60	285.0	238.40 0.00	0 TRANS
KYAT LIC	GALLUP NM	BLH-90708AJE	233C0 94.5	85.000 420.0	35-36-22 108-41-26	0.0 SS	0.00 -270.00	270 SHORT
KYATaux LIC	GALLUP NM	BXLH-91116ADZ	233C0 94.5	1.000 33.0	35-32-26 108-44-28	212.1	8.60 0.00	0 AUX
NEW-T APP	NORTH VALLEY NM	BNPFT-30314API	233D 94.5	0.075 179.0	35-04-15 106-31-30	106.2	205.64 0.00	0 TRANS
K298BK CP	SANDIA NM	BPFT-10923ADB	233D 94.5	0.250 DA 1564.0	35-13-00 106-27-07	101.4	207.88 0.00	0 TRANS
NEW-T APP	RURAL SAN JUAN COUNT UT	BNPFT-30317LYK	233D 94.5	0.030 118.0	37-16-12 109-33-32	337.5	200.38 0.00	0 TRANS
NEW-T APP	SPRINGERVILLE AZ	BNPFT-30317ECJ	234D 94.7	0.250 169.0	34-08-17 109-16-10	198.1	171.24 0.00	0 TRANS
K235BR LIC	GALLUP EAST NM	BLFT-90210ADZ	235D 94.9	0.240 DA 463.0	35-36-22 108-41-26	0.0	0.00 0.00	0 TRANS

===== BEGINNING SEARCH OF SECONDARY DATABASE =====

None OVERGAARD 234C1 0.000 34-45-23 241.7 196.08 196
 ALC AZ - 94.7 0.0 110-34-41 0.08 CLOSE
 NOTE: ORIGINAL ALLOTMENT SITE FROM BNPH-20070502ACR (EXPIRED 73.215 CP)

===== END OF FM SPACING STUDY FOR CHANNEL 233 =====

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SEARCH PARAMETERS FM Database Date: 120503

Channel: 234C1 94.7 MHz Page 1

Latitude: 34 45 23

Longitude: 110 34 41

Safety Zone: 32 km

Job Title: OVERGAARD 234C1 ALLOTMENT SITE

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	HEBER-OVERGAARD AZ	BNPFT-30317DUR	232D 94.3	0.170 143.0	34-25-56 110-35-06	181.0	35.97 0.00	0 TRANS
KJNN-LP LIC	HOLBROOK AZ	BLL-00729AEO	232L1 94.3	0.100 -51.6	34-52-59 110-11-39	68.0	37.83 0.00	0 LPFM
NEW-T APP	SHOW LOW AZ	BNPFT-30317EAA	232D 94.3	0.015 430.0	34-12-20 109-56-26	136.2	84.64 0.00	0 TRANS
NEW-T APP	WINSLOW AZ	BNPFT-30317EZW	232D 94.3	0.170 121.0	35-01-25 110-37-38	351.4	29.98 0.00	0 TRANS
NEW-T APP	COTTONWOOD AZ	BNPFT-30310AJO	233D 94.5	0.010 1224.0	34-41-12 112-07-00	267.3	141.15 0.00	0 TRANS
KOOLaux LIC	PHOENIX AZ	BXMLH-20711AAF	233C 94.5	50.000 503.0	33-20-02 112-03-42	221.3	208.96 0.00	0 AUX
KOOL-FM LIC	PHOENIX AZ	BMLH-21018AAD	233C 94.5	100.000 504.0	33-20-02 112-03-42	221.3	208.96 -0.04	209 SHORT
NEW-T APP	SHOW LOW AZ	BNPFT-30317CKN	233D 94.5	0.015 430.0	34-12-20 109-56-26	136.2	84.64 0.00	0 TRANS
NEW-T APP	TUBA CITY AZ	BNPFT-30317CML	233D 94.5	0.075 197.0	36-07-54 111-14-60	338.5	164.33 0.00	0 TRANS
KYAT LIC	GALLUP NM	BLH-90708AJE	233C0 94.5	85.000 420.0	35-36-22 108-41-26	60.6 SS	196.08 0.08	196 CLOSE
KYATaux LIC	GALLUP NM	BXLH-91116ADZ	233C0 94.5	1.000 33.0	35-32-26 108-44-28	61.9	188.65 0.00	0 AUX
NEW-T APP	SHOW LOW AZ	BNPFT-30317LXW	234D 94.7	0.016 388.0	34-12-20 109-56-30	136.2	84.56 0.00	0 TRANS
NEW-T APP	SHOW LOW AZ	BNPFT-30317BCI	234D 94.7	0.250 367.0	34-12-21 109-56-29	136.2	84.56 0.00	0 TRANS

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SEARCH PARAMETERS                               FM Database Date: 120503
Channel: 234C1   94.7 MHz                      Page 2
Latitude: 34 45 23
Longitude: 110 34 41
Safety Zone: 32 km
Job Title: OVERGAARD 234C1 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)
NEW-T APP	SPRINGERVILLE AZ	BNPFT-30317ECJ	234D 94.7	0.250 169.0	34-08-17 109-16-10	119.4	138.45 0.00	0 TRANS
NEW-T APP	WHITERIVER AZ	BNPFT-30317EZL	234D 94.7	0.015 429.0	33-45-37 109-58-27	153.2	123.70 0.00	0 TRANS
NEW-T APP	ST. JOHNS AZ	BNPFT-30317DWQ	235D 94.9	0.115 146.0	34-34-18 109-16-43	99.4	120.86 0.00	0 TRANS
NEW-T APP	WINONA AZ	BNPFT-30317HHW	235D 94.9	0.010 806.0	35-14-27 111-35-47	300.4	107.38 0.00	0 TRANS
ADD	FIRST MESA AZ	RM-bg-143*	237C 95.3	0.000 0.0	35-41-09 110-21-43	10.7	104.97 -0.03	105 SHORT
ADD	FIRST MESA AZ	RM-bg-144*	237C 95.3	0.000 0.0	35-41-09 110-21-43	10.7	104.97 -0.03	105 SHORT
NEW-T APP	FLAGSTAFF AZ	BNPFT-30317HHZ	237D 95.3	0.010 809.0	35-14-27 111-35-47	300.4	107.38 0.00	0 TRANS
NEW-T APP	SHOW LOW AZ	BNPFT-30317CKP	237D 95.3	0.015 430.0	34-12-20 109-56-26	136.2	84.64 0.00	0 TRANS
KSNX LIC	HEBER AZ	BLH-01203AAN	288C1 105.5	100.000 125.0	34-27-43 110-24-10	153.8 SS	36.41 2.41	34 CLOSE
===== BEGINNING SEARCH OF SECONDARY DATABASE =====								
None ALC	OVERGAARD AZ	-	234C1 94.7	0.000 0.0	34-45-23 110-34-41	0.0	0.00 -245.00	245 SHORT
===== END OF FM SPACING STUDY FOR CHANNEL 234 =====								