

**April 2011
KXZM(FM) Channel 229B1
Felton, California
Allocation Study**

Background

The instant application is being filed as one of a pair of simultaneously-filed contingent applications, proposing the following modifications:

- 1) KXZM, currently licensed on Channel 229A at Felton, proposes to upgrade to operate on Channel 229B1 at Felton, with a change in transmitter site;
- 2) KXSM, currently licensed on Channel 228A at Hollister, proposes to upgrade to operate on second-adjacent Channel 226B1 at Hollister, with a change in transmitter site.

KXZM and KXSM are both licensed to Lazer Licenses, LLC. Thus the consent of both licensees is implicit.

Channel 229B1 Allotment Site

The attached spacing study shows that the proposed Channel 229B1 allotment site meets the co-channel and adjacent channel spacing requirements for Class B1 stations as prescribed in §73.207 of the Commission's Rules. An indicated short-spacing to the licensed facility of KXSM on Channel 228A at Hollister is being resolved by the simultaneously-filed contingent application proposing to modify KXSM to operate on Channel 226B1 at Hollister.

The allotment site is mutually-exclusive with the KXZM licensed facility on Channel 229A.

The allotment site is located 10 kilometers from the far side of Felton. The nominal distance to the 70 dBu F(50,50) contour for a Class B1 station is 23.2 kilometers. Therefore, and as depicted on the attached map exhibit, this site will provide greater than 70 dBu coverage for all of Felton.¹

¹ It should be noted that the boundary included for Felton in the 2000 Census is incorrect. The area which is labeled as "Felton" on 2000 Census maps is in fact the adjacent Mount Hermon CDP. The boundary of the Felton CDP was omitted from 2000 Census Mapping. The Felton boundary shown on the attached maps is the Felton CDP boundary from the 1990 Census, and closely comports with the Felton CDP boundary shown on pre-release 2010 Census mapping.

Channel 229B1 Transmitter Site

The attached spacing study shows that the proposed Channel 229B1 transmitter site meets the co-channel and adjacent channel spacing requirements for Class B1 stations as prescribed in §73.207 of the Commission's Rules, with the exception of a short-spacing to the licensed operation of KEXA on Channel 230B1 at King City. Processing pursuant to §73.215 of the Commission's Rules is requested with respect to KEXA, and the attached allocation study map is included to demonstrate the lack of prohibited contour overlap with that facility.

An indicated short-spacing to the licensed facility of KXSM on Channel 228A at Hollister is being resolved by the simultaneously-filed contingent application proposing to modify KXSM to operate on Channel 226B1 at Hollister.

The transmitter site is mutually-exclusive with the KXZM licensed facility on Channel 229A.

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SEARCH PARAMETERS FM Database Date: 110412

Channel: 229B1 93.7 MHz Page 1
 Latitude: 37 5 10
 Longitude: 122 8 10
 Safety Zone: 32 km
 Job Title: FELTON 229B1 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	CARMEL VALLEY CA BNPFT-30317CLX	226D 93.1	0.001 1014.0	36-32-06 121-37-09	142.9	76.60 0.00	0 TRANS	
NEW-T APP	SALINAS CA BNPFT-30317LJX	226D 93.1	0.010 871.0	36-45-23 121-30-05	122.8	67.36 0.00	0 TRANS	
KRZZ LIC	SAN FRANCISCO CA BLH-10105ABJ	227B 93.3	6.000 415.0	37-41-13 122-26-03	338.6	71.72 0.72	71 CLOSE	
KRZZaux LIC	SAN FRANCISCO CA BXLH-870331KO	227B 93.3	33.000 181.0	37-42-59 122-23-38	342.1	73.58 0.00	0 AUX	
KRZZaux LIC	SAN FRANCISCO CA BXMLH-10105ABK	227B 93.3	16.000 181.0	37-42-59 122-23-38	342.1	73.58 0.00	0 AUX	
KXSM LIC	HOLLISTER CA BMLH-11128AAC	228A 93.5	0.110 700.0	36-45-22 121-30-06	122.9 SS	67.36 -28.64	96 SHORT	
NOTE: KXSM IS SIMULTANEOUSLY PROPOSED TO MOVE TO CHANNEL 226B1								
NEW-T APP	CUPERTINO CA BNPFT-30314BPR	229D 93.7	0.010 834.0	37-19-08 122-08-45	358.1	25.85 0.00	0 TRANS	
KXZM LIC	FELTON CA BLH-981112KN	229A 93.7	0.028 384.0	37-03-43 122-07-14	152.8 SS	3.02 -139.98	143 SHORT	
NEW-T APP	FREMONT CA BNPFT-30317CMT	229D 93.7	0.010 240.0	37-35-06 121-59-08	13.4	56.95 0.00	0 TRANS	
KSKSaux LIC	FRESNO CA BXLH-60901AAN	229B 93.7	1.000 590.0	37-04-30 119-25-52	89.5	240.53 0.00	0 AUX	
KSKS LIC	FRESNO CA BMLH-50425ABM	229B 93.7	68.000 580.0	37-04-39 119-26-01	89.4	240.30 29.30	211 CLEAR	
NEW-T APP	OAKLAND CA BNPFT-30317CNN	229D 93.7	0.038 72.0	37-47-49 122-12-12	355.7	79.11 0.00	0 TRANS	
NEW-T APP	PIEDMONT CA BNPFT-30317ARY	229D 93.7	0.010 590.0	37-52-57 122-13-11	355.3	88.70 0.00	0 TRANS	
KJZY-FM1 LIC	ROHNERT PARK CA BLFTB-00215ABO	229D 93.7	1.200 171.0	38-23-31 122-40-40	342.0	152.60 0.00	0 BOOST	

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SEARCH PARAMETERS

FM Database Date: 110412

Channel: 229B1 93.7 MHz
 Latitude: 37 5 10
 Longitude: 122 8 10
 Safety Zone: 32 km
 Job Title: FELTON 229B1 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)
KQJKaux LIC	ROSEVILLE CA	BXLH-41112ADD	229B1 93.7	19.000 72.0	38-44-22 121-12-51	23.5	200.62 0.00	0 AUX
KQJK LIC	ROSEVILLE CA	BLH-940615KA	229B1 93.7	25.000 100.0	38-44-22 121-12-50	23.5	200.63 25.63	175 CLEAR
NEW-T APP	SAN BRUNO CA	BNPFT-30314AAG	229D 93.7	0.010 444.0	37-41-15 122-26-01	338.6	71.76 0.00	0 TRANS
NEW-T APP	SAN FRANCISCO CA	BNPFT-30317HMH	229D 93.7	0.010 293.0	DA 37-45-19 122-27-06	339.6	79.35 0.00	0 TRANS
KJZY LIC	SEBASTOPOL CA	BLH-00119AAK	229A 93.7	6.000 66.0	DA 38-25-07 122-40-33	342.4 SS	155.35 12.35	143 CLEAR
NEW-T APP	TASSAJARA CA	BNPFT-30311ATU	229D 93.7	0.010 624.0	37-49-17 121-46-49	20.9	87.47 0.00	0 TRANS
NEW-T APP	WALNUT CREEK CA	BNPFT-30314BOL	229D 93.7	0.010 993.0	DA 37-53-34 121-53-53	13.1	91.97 0.00	0 TRANS
NEW-T APP	WOODSIDE CA	BNPFT-30317CMD	229D 93.7	0.003 697.0	37-24-39 122-18-20	337.5	39.05 0.00	0 TRANS
KEXA LIC	KING CITY CA	BLH-871223KC	230B1 93.9	5.400 214.0	36-22-48 121-12-57	133.5	113.57 -0.43	114 SHORT
KBBU LIC	MODESTO CA	BLH-40512AAU	230A 93.9	4.000 123.0	DA 37-39-00 121-01-24	57.1 SS	116.76 20.76	96 CLEAR
NEW-T APP	MONTARA-PACIFICA CA	BNPFT-30313AAL	230D 93.9	0.010 579.0	37-33-42 122-28-37	330.4	60.81 0.00	0 TRANS
KPFAaux LIC	BERKELEY CA	BLED-800930AG	231B 94.1	59.000 340.0	37-51-55 122-13-12	355.1	86.79 0.00	0 AUX
KPFA LIC	BERKELEY CA	BLED-791108AE	231B 94.1	59.000 405.0	37-51-55 122-13-12	355.1	86.79 15.79	71 CLEAR
KPFA-FM2 LIC	BONNY DOON CA	BLFTB-41115AFO	231D 94.1	0.004 0.0	DA 37-04-35 122-08-03	170.9	1.09 0.00	0 BOOST

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SEARCH PARAMETERS

FM Database Date: 110412

Channel: 229B1 93.7 MHz

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Latitude: 37 5 10

Longitude: 122 8 10

Safety Zone: 32 km

Job Title: FELTON 229B1 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	MONTEREY		231D	0.015 DA	36-35-09	161.0	58.72	0
APP	CA	BNPFT-30317BDX	94.1	276.0	121-55-18		0.00	TRANS
NEW-T	MONTEREY		232D	0.010	36-35-11	161.0	58.64	0
APP	CA	BNPFT-30313AAP	94.3	231.0	121-55-21		0.00	TRANS
NEW-T	PEBBLE BEACH		232D	0.010	36-35-09	160.9	58.74	0
APP	CA	BNPFT-30317BAQ	94.3	270.0	121-55-15		0.00	TRANS

44444 END OF FM SPACING STUDY FOR CHANNEL 229 44444



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SEARCH PARAMETERS

FM Database Date: 110412

Channel: 229B1 93.7 MHz
 Latitude: 37 10 0
 Longitude: 121 55 31
 Safety Zone: 32 km
 Job Title: KXZM 229B1 TRANSMIT 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	CARMEL VALLEY CA	BNPFT-30317CLX	226D 93.1	0.001 1014.0	36-32-06 121-37-09	158.7	75.23 0.00	0 TRANS
KOSOaux LIC	PATTERSON CA	BXLH-40720ADS	226B 93.1	3.200 108.0	37-43-45 121-11-49	45.6	89.73 0.00	0 AUX
NEW-T APP	SALINAS CA	BNPFT-30317LJX	226D 93.1	0.010 871.0	DA 36-45-23 121-30-05	140.3	59.15 0.00	0 TRANS
KRZZ-FM1 LIC	PLEASANTON, ETC. CA	BLFTB-900803TC	227D 93.3	0.190 0.0	DA 37-52-55 121-55-05	0.5	79.39 0.00	0 BOOST
KRZZ LIC	SAN FRANCISCO CA	BLH-10105ABJ	227B 93.3	6.000 415.0	37-41-13 122-26-03	322.3	73.23 2.23	71 CLOSE
KRZZaux LIC	SAN FRANCISCO CA	BXLH-870331KO	227B 93.3	33.000 181.0	37-42-59 122-23-38	326.1	73.77 0.00	0 AUX
KRZZaux LIC	SAN FRANCISCO CA	BXMLH-10105ABK	227B 93.3	16.000 181.0	37-42-59 122-23-38	326.1	73.77 0.00	0 AUX
KXSM LIC	HOLLISTER CA	BMLH-11128AAC	228A 93.5	0.110 700.0	36-45-22 121-30-06	140.4 SS	59.15 -36.85	96 SHORT
NOTE: KXSM IS SIMULTANEOUSLY PROPOSED TO MOVE TO CHANNEL 226B1								
NEW-T APP	CUPERTINO CA	BNPFT-30314BPR	229D 93.7	0.010 834.0	DA 37-19-08 122-08-45	311.0	25.85 0.00	0 TRANS
KXZM LIC	FELTON CA	BLH-981112KN	229A 93.7	0.028 384.0	37-03-43 122-07-14	236.1 SS	20.89 -122.11	143 SHORT
NEW-T APP	FREMONT CA	BNPFT-30317CMT	229D 93.7	0.010 240.0	37-35-06 121-59-08	353.5	46.73 0.00	0 TRANS
KSKSaux LIC	FRESNO CA	BXLH-60901AAN	229B 93.7	1.000 590.0	37-04-30 119-25-52	91.9	221.90 0.00	0 AUX
KSKS LIC	FRESNO CA	BMLH-50425ABM	229B 93.7	68.000 580.0	37-04-39 119-26-01	91.8	221.66 10.66	211 CLEAR
NEW-T APP	OAKLAND CA	BNPFT-30317CNN	229D 93.7	0.038 72.0	37-47-49 122-12-12	340.8	74.15 0.00	0 TRANS

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SEARCH PARAMETERS FM Database Date: 110412

Channel: 229B1 93.7 MHz
 Latitude: 37 10 0
 Longitude: 121 55 31
 Safety Zone: 32 km
 Job Title: KXZM 229B1 TRANSMIT 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	PIEDMONT CA	BNPFT-30317ARY	229D 93.7	0.010 590.0	37-52-57 122-13-11	342.0	83.60 0.00	0 TRANS
KJZY-FM1 LIC	ROHNERT PARK CA	BLFTB-00215ABO	229D 93.7	1.200 171.0	38-23-31 122-40-40	334.3	151.29 0.00	0 BOOST
KQJKaux LIC	ROSEVILLE CA	BXLH-41112ADD	229B1 93.7	19.000 72.0	38-44-22 121-12-51	19.4	185.42 0.00	0 AUX
KQJK LIC	ROSEVILLE CA	BLH-940615KA	229B1 93.7	25.000 100.0	38-44-22 121-12-50	19.4	185.43 10.43	175 CLEAR
NEW-T APP	SAN BRUNO CA	BNPFT-30314AAG	229D 93.7	0.010 444.0	37-41-15 122-26-01	322.4	73.25 0.00	0 TRANS
NEW-T APP	SAN FRANCISCO CA	BNPFT-30317HMH	229D 93.7	0.010 293.0	37-45-19 122-27-06	324.8	80.23 0.00	0 TRANS
KJZY LIC	SEBASTOPOL CA	BLH-00119AAK	229A 93.7	6.000 66.0	38-25-07 122-40-33	334.9 SS	153.88 10.88	143 CLEAR
NEW-T APP	TASSAJARA CA	BNPFT-30311ATU	229D 93.7	0.010 624.0	37-49-17 121-46-49	9.9	73.79 0.00	0 TRANS
NEW-T APP	WALNUT CREEK CA	BNPFT-30314BOL	229D 93.7	0.010 993.0	37-53-34 121-53-53	1.7	80.62 0.00	0 TRANS
NEW-T APP	WOODSIDE CA	BNPFT-30317CMD	229D 93.7	0.003 697.0	37-24-39 122-18-20	309.0	43.26 0.00	0 TRANS
KEXA LIC	KING CITY CA	BLH-871223KC	230B1 93.9	5.400 214.0	36-22-48 121-12-57	143.9	107.85 -6.15	114 SHORT
ABSOLUTE MINIMUM 73.215 SPACING = 96 KM								
KBBU LIC	MODESTO CA	BLH-40512AAU	230A 93.9	4.000 123.0	37-39-00 121-01-24	55.7 SS	96.20 0.20	96 CLOSE
NEW-T APP	MONTARA-PACIFICA CA	BNPFT-30313AAL	230D 93.9	0.010 579.0	37-33-42 122-28-37	312.2	65.65 0.00	0 TRANS
KPFAaux LIC	BERKELEY CA	BLED-800930AG	231B 94.1	59.000 340.0	37-51-55 122-13-12	341.6	81.80 0.00	0 AUX


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SEARCH PARAMETERS                               FM Database Date: 110412
Channel: 229B1   93.7 MHz                      Page 3
Latitude: 37 10 0
Longitude: 121 55 31
Safety Zone: 32 km
Job Title: KXZM 229B1 TRANSMIT 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)
KPFA LIC	BERKELEY CA	BLED-791108AE	231B 94.1	59.000 405.0	37-51-55 122-13-12	341.6	81.80 10.80	71 CLEAR
KPFA-FM2 LIC	BONNY DOON CA	BLFTB-41115AFO	231D 94.1	0.004 DA 0.0	37-04-35 122-08-03	241.6	21.10 0.00	0 BOOST
NEW-T APP	MONTEREY CA	BNPFT-30317BDX	231D 94.1	0.015 DA 276.0	36-35-09 121-55-18	179.7	64.46 0.00	0 TRANS
KPFA-FM3 LIC	OAKLEY CA	BLFTB-61116AAA	231D 94.1	0.045 DA 0.0	37-53-34 121-53-59	1.6	80.62 0.00	0 BOOST
NEW-T APP	MONTEREY CA	BNPFT-30313AAP	232D 94.3	0.010 231.0	36-35-11 121-55-21	179.8	64.40 0.00	0 TRANS
NEW-T APP	PEBBLE BEACH CA	BNPFT-30317BAQ	232D 94.3	0.010 270.0	36-35-09 121-55-15	179.6	64.46 0.00	0 TRANS

44444 END OF FM SPACING STUDY FOR CHANNEL 229 44444

