

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

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 short-spacings to a) the licensed operation of KEXA on Channel 230B1 at King City, and b) the licensed operation of KBBU on Channel 230A at Modesto. Processing pursuant to §73.215 of the Commission's Rules is requested with respect to KEXA and KBBU, and the attached allocation study map is included to demonstrate the lack of prohibited contour overlap with those facilities.

An indicated short-spacing to the licensed facility of KXSM on Channel 228A at Hollister is moot, as that facility holds a CP to operate on Channel 226B1 at Hollister. The Hollister channel change CP was granted as part of a contingent application group with the KXZM Channel 229B1 upgrade approved in BPH-20110414ABR, the CP which this application seeks to modify.

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SEARCH PARAMETERS FM Database Date: 110920

Channel: 229B1 93.7 MHz
 Latitude: 37 9 35
 Longitude: 121 54 32
 Safety Zone: 32 km
 Job Title: KXZM 229B1 FELTON
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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	159.6	73.99 0.00	0 TRANS
KXSM CP	HOLLISTER CA	BPH-10414ABQ	226B1 93.1	0.480 643.0	36-54-13 121-13-45	115.1 SS	66.83 16.83	50 CLEAR
KXSM-FM1 CP	SALINAS CA	BNPFTB-10602AAH	226D 93.1	0.120 0.0	36-40-06 121-31-09	147.5	64.65 0.00	0 BOOST
NEW-T APP	SALINAS CA	BNPFT-30317LJX	226D 93.1	0.010 871.0	36-45-23 121-30-05	141.0	57.62 0.00	0 TRANS
KRZZ-FM1 LIC	PLEASANTON, ETC. CA	BLFTB-900803TC	227D 93.3	0.190 0.0	37-52-55 121-55-05	359.4	80.16 0.00	0 BOOST
KRZZ LIC	SAN FRANCISCO CA	BLH-10105ABJ	227B 93.3	6.000 415.0	37-41-13 122-26-03	321.8	74.74 3.74	71 CLOSE
KRZZaux LIC	SAN FRANCISCO CA	BXLH-870331KO	227B 93.3	33.000 181.0	37-42-59 122-23-38	325.5	75.23 0.00	0 AUX
KRZZaux LIC	SAN FRANCISCO CA	BXMLH-10105ABK	227B 93.3	16.000 181.0	37-42-59 122-23-38	325.5	75.23 0.00	0 AUX
KXSM LIC	HOLLISTER CA	BMLH-11128AAC	228A 93.5	0.110 700.0	36-45-22 121-30-06	141.0 SS	57.63 -38.37	96 SHORT
NOTE: KXSM HOLDS CP ON CHANNEL 226B1 AT HOLISTER								
NEW-T APP	CUPERTINO CA	BNPFT-30314BPR	229D 93.7	0.010 834.0	37-19-08 122-08-45	310.2	27.46 0.00	0 TRANS
KXZM LIC	FELTON CA	BLH-981112KN	229A 93.7	0.028 384.0	37-03-43 122-07-14	240.0 SS	21.72 -121.28	143 SHORT
KXZM CP	FELTON CA	BPH-10414ABR	229B1 93.7	0.420 683.0	37-10-00 121-55-31	298.0 SS	1.65 -173.35	175 SHORT
NEW-T APP	FREMONT CA	BNPFT-30317CMT	229D 93.7	0.010 240.0	37-35-06 121-59-08	351.9	47.68 0.00	0 TRANS

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KSKS LIC	FRESNO CA	BMLH-50425ABM	229B 93.7	68.000 580.0	37-04-39 119-26-01	91.6	220.18 9.18	211 CLOSE
KSKSaux LIC	FRESNO CA	BXLH-60901AAN	229B 93.7	1.000 590.0	37-04-30 119-25-52	91.7	220.42 0.00	0 AUX
NEW-T APP	OAKLAND CA	BNPFT-30317CNN	229D 93.7	0.038 72.0	37-47-49 122-12-12	340.0	75.36 0.00	0 TRANS
NEW-T APP	PIEDMONT CA	BNPFT-30317ARY	229D 93.7	0.010 590.0	37-52-57 122-13-11	341.3	84.79 0.00	0 TRANS
KJZY-FM1 LIC	ROHNERT PARK CA	BLFTB-00215ABO	229D 93.7	1.200 171.0	DA 38-23-31 122-40-40	334.0	152.62 0.00	0 BOOST
KQJK LIC	ROSEVILLE CA	BLH-940615KA	229B1 93.7	25.000 100.0	38-44-22 121-12-50	18.9	185.67 10.67	175 CLEAR
KQJKaux LIC	ROSEVILLE CA	BXLH-41112ADD	229B1 93.7	19.000 72.0	38-44-22 121-12-51	18.9	185.67 0.00	0 AUX
NEW-T APP	SAN BRUNO CA	BNPFT-30314AAG	229D 93.7	0.010 444.0	37-41-15 122-26-01	321.9	74.75 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	324.3	81.70 0.00	0 TRANS
KJZY LIC	SEBASTOPOL CA	BLH-00119AAK	229A 93.7	6.000 66.0	DA 38-25-07 122-40-33	334.5 SS	155.20 12.20	143 CLEAR
NEW-T APP	TASSAJARA CA	BNPFT-30311ATU	229D 93.7	0.010 624.0	37-49-17 121-46-49	8.7	74.31 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	0.7	81.36 0.00	0 TRANS
NEW-T APP	WOODSIDE CA	BNPFT-30317CMD	229D 93.7	0.003 697.0	37-24-39 122-18-20	308.6	44.88 0.00	0 TRANS
KEXA LIC	KING CITY CA	BLH-871223KC	230B1 93.9	5.400 214.0	36-22-48 121-12-57	144.3	106.37 -7.63	114 SHORT

ABSOLUTE MINIMUM 73.215 SPACING = 96 KM

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KBBU	MODESTO		230A	4.000	37-39-00	54.9	95.44	96
LIC	CA	BLH-40512AAU	93.9	123.0	121-01-24	SS	-0.56	SHORT
ABSOLUTE MINIMUM 73.215 SPACING = 72 KM								
NEW-T	MONTARA-PACIFICA		230D	0.010	37-33-42	311.8	67.25	0
APP	CA	BNPFT-30313AAL	93.9	579.0	122-28-37		0.00	TRANS
KPFA	BERKELEY		231B	59.000	37-51-55	340.8	83.00	71
LIC	CA	BLED-791108AE	94.1	405.0	122-13-12		12.00	CLEAR
KPFAaux	BERKELEY		231B	59.000	37-51-55	340.8	83.00	0
LIC	CA	BLED-800930AG	94.1	340.0	122-13-12		0.00	AUX
KPFA-FM2	BONNY DOON		231D	0.004	37-04-35	245.2	22.05	0
LIC	CA	BLFTB-41115AFO	94.1	0.0	122-08-03		0.00	BOOST
NEW-T	MONTEREY		231D	0.015	36-35-09	181.0	63.70	0
APP	CA	BNPFT-30317BDX	94.1	276.0	121-55-18		0.00	TRANS
NEW-T	MONTEREY		232D	0.010	36-35-11	181.1	63.64	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	181.0	63.69	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

