

Minor Change Application

The proposed minor change application for K206BQ specifies a new site and changes to the technical parameters as is indicated below:

	Licensed	Minor Change
Channel / Class	206 D	206 D
Geographical Coordinates	36 45 37 / 121 29 24	36 45 22 / 121 30 06
ASRN	N/A	1013158
Site AMSL	883 m	934.5 m
Tower AGL	30 m	108.2 m
COR AGL	10 m	90 m
COR AMSL	893 m	1025 m
HAAT	600 m	735 m
ERP	0.200 kW (H&V, DA)	0.150 kW (H&V, DA)

The below listed pages of this exhibit contains information as indicated.

Page 2 Tabulation of HAAT / ERP / Distance to 60 dBu contour
Page 3 60 dBu Contour Coverage Map
Page 4 - 8 Allocation Study

Tabulation of HAAT / ERP / Distance to 60 dBu contour

CH 206 36 45 22 / 121 30 06 0.150 kW ERP (DA) 1025 m COR AMSL 735 m HAAT

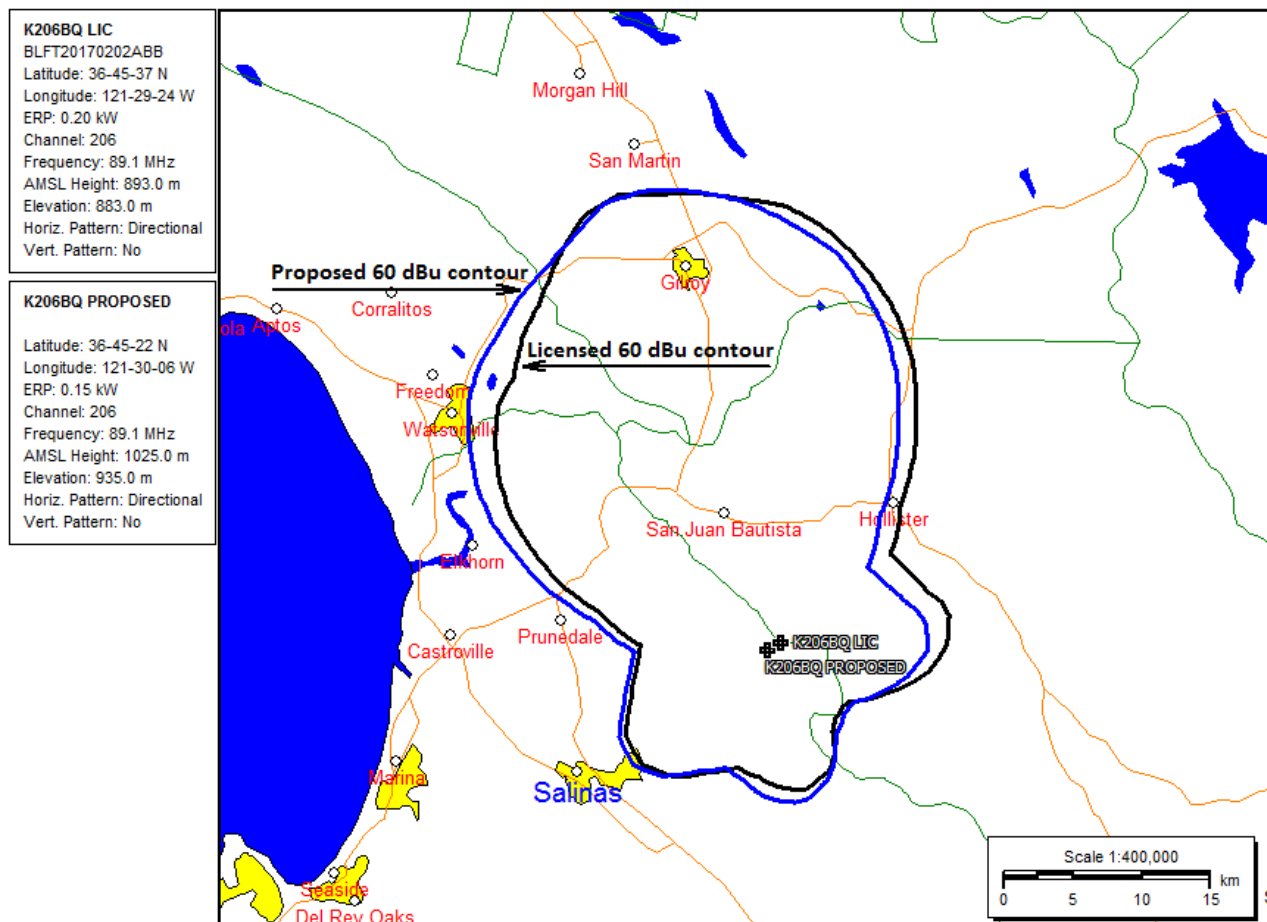
Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	185.7	839.3	0.1125	-9.49	0.866	31.66
010	162.3	862.7	0.0773	-11.12	0.718	29.07
020	176.3	848.7	0.0418	-13.79	0.528	24.60
030	186.5	838.5	0.0162	-17.90	0.329	18.75
040	216.6	808.4	0.0054	-22.66	0.190	12.46
050	249.0	776.0	0.0027	-25.70	0.134	9.37
060	271.6	753.4	0.0030	-25.19	0.142	9.74
070	285.3	739.7	0.0037	-24.32	0.157	10.49
080	322.5	702.5	0.0049	-23.09	0.181	11.50
090	379.5	645.5	0.0052	-22.80	0.187	11.43
100	459.2	565.8	0.0044	-23.58	0.171	10.22
110	515.1	509.9	0.0029	-25.32	0.140	8.64
120	635.3	389.7	0.0023	-26.44	0.123	7.21
130	711.3	313.7	0.0027	-25.63	0.135	7.10
140	726.4	298.6	0.0038	-24.16	0.160	7.73
150	626.9	398.1	0.0050	-23.04	0.182	9.48
160	525.1	499.9	0.0056	-22.53	0.193	10.61
170	405.9	619.1	0.0050	-23.04	0.182	11.04
180	307.9	717.1	0.0038	-24.16	0.160	10.55
190	232.4	792.6	0.0027	-25.63	0.135	9.47
200	174.6	850.4	0.0023	-26.44	0.123	8.90
210	152.1	872.9	0.0029	-25.32	0.140	9.96
220	147.8	877.2	0.0044	-23.58	0.171	11.72
230	126.6	898.4	0.0052	-22.80	0.187	12.67
240	124.0	901.0	0.0049	-23.09	0.181	12.35
250	134.1	890.9	0.0037	-24.32	0.157	10.99
260	139.2	885.8	0.0030	-25.19	0.142	10.11
270	154.8	870.2	0.0027	-25.70	0.134	9.60
280	157.9	867.1	0.0054	-22.66	0.190	12.70
290	176.5	848.5	0.0162	-17.90	0.329	18.83
300	206.8	818.2	0.0418	-13.79	0.528	24.20
310	216.0	809.0	0.0773	-11.12	0.718	28.12
320	259.3	765.7	0.1125	-9.49	0.866	30.04
330	248.1	776.9	0.1359	-8.67	0.952	31.85
340	185.5	839.5	0.1500	-8.24	1.000	34.31
350	173.3	851.7	0.1359	-8.67	0.952	33.68

FCC 30 second terrain database

(yellow highlighted values establish average HAAT)

60 dBu Contour Coverage Map

This minor change proposes to move K206BQ to a new site. The proposed 60 dBu contour will continue to have overlap with the licensed 60 dBu contour.



Allocation Study

CH 206 36 45 22 / 121 30 06 0.150 kW ERP (DA) 1025 m COR AMSL 735 m HAAT

CH CITY	CALL	TYPE ST	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
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Reference station:

206D	K206BQ	LIC	66.0	1.13	36 45 37.0	0.200	47.8	12.1		
Hollister		CA	246.0	BLFT20170202ABB	121 29 24.0	600	893	Educational Media Foundation		

1st, 2nd, & 3rd adjacent channel relationships:

203B	KQED-FM	LIC	321.7	132.77	37 41 23.0	110.000	12.1	82.2	88.6	49.9
San Francisco		CA	141.1	BLED19971124KD	122 26 13.0	387	432	Kqed Inc.		
205B	KUSP	LIC	203.3	26.80	36 32 05.0	1.250	85.9	57.9	-70.1	-47.9
Santa Cruz		CA	23.3	BLED19930524KB	121 37 14.0	761	1084	Educational Media Foundation		

K206BQ is a fill-in translator for KUSP.

205B	KXPR	LIC	360.0	168.71	38 16 25.0	50.000	75.5	50.6	60.2	68.6
Sacramento		CA	180.0	BLED19950926KB	121 30 11.0	150	152	California State University		
205D	K205BN	LIC	321.1	57.73	37 09 35.0	0.010	1.4	0.8	25.3	7.9
Los Gatos		CA	140.9	BLFT20130110AGU	121 54 38.0	709	1051	Educational Media Foundation		
206D	K206CC	LIC	153.2	100.10	35 57 04.0	0.010	40.3	11.7	49.6	52.8
Lockwood		CA	333.5	BLFT20150604AAM	121 00 03.0		867	Prunedale Educational Assoc		
206A	KCEA	LIC	320.3	106.72	37 29 32.0	0.100	35.8	9.1	39.7	5.6
Atherton		CA	139.8	BLED20010417AAI	122 16 28.0	39	155	Sequoia Union High School		
206B1	KCJH	LIC	47.8	93.04	37 18 57.0	13.500	98.4	31.4	-25.8	3.3
Livingston		CA	228.3	BLED20050506AAZ	120 43 20.0	93	126	Your Christian Companion Net		
207A	KMTG	LIC	327.3	58.95	37 12 06.0	0.300	9.0	5.1	17.7	1.4
San Jose		CA	147.1	BLED20040803ABX	121 51 42.0	-95	185	San Jose Unified School Dist		
207A	KZJV	LIC	305.1	62.10	37 04 32.7	0.300	9.0	7.0	24.7	12.7
Santa Cruz		CA	124.7	BLED20160119ACG	122 04 28.7	-110	166	Eschaton Foundation		
207D	K207CN	LIC	296.4	51.35	36 57 37.5	0.050	6.7	4.7	18.2	10.1
Santa Cruz		CA	116.1	BLFT20140402AQO	122 01 10.0		15	Educational Media Foundation		
208D	K208CW	LIC	203.1	26.75	36 32 05.0	0.074	0.0	1.8	15.9	16.0
Monterey		CA	23.0	BLFT20090522AFG	121 37 09.0	770	1065	Prunedale Educational Assoc		
209B	KLVM	LIC	0.0	0.00	36 45 22.0	0.450	0.3	19.7	-30.0	-20.4
Prunedale		CA	0.0	BLED20060822AJC	121 30 06.0	715	1013	Prunedale Educational Assoc		
209B1	KFJC	LIC	318.1	84.62	37 19 14.0	0.110	0.7	18.4	53.1	58.9
Los Altos		CA	137.7	BLED19961105KB	122 08 29.0	562	820	Foothill-de Anza Community		
209D	K209FV	LIC	33.6	49.27	37 07 29.4	0.010	0.1	4.2	25.2	44.5
Los Banos		CA	213.8	BLFT20160720ACK	121 11 38.5		763	The Association For Communit		

I.F. relationships:

N/A

Terrain database is FCC 30 SEC
Contour distances are on direct line to and from reference station.

Allocation Study

KCJH LIC
CH 206B1
13.5 kW ERP
126 m COR AMSL
37 18 57 / 120 43 20

K206BQ PROPOSED
CH 206D
0.150 kW ERP
1025 m COR AMSL
36 45 22 / 121 30 06

Protected 60 dBu

Interfering 40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
247.0	012.6315	0105.6	034.6	037.4	000.0077	0818.8	061.3	37.76
248.0	012.9178	0105.6	034.7	036.8	000.0083	0820.8	061.5	38.03
249.0	013.2073	0105.5	034.9	036.2	000.0088	0822.7	061.7	38.27
250.0	013.5000	0105.4	035.1	035.7	000.0094	0824.4	061.9	38.49
251.0	013.5000	0105.3	035.0	035.2	000.0098	0825.8	062.2	38.59
252.0	013.5000	0105.1	035.0	034.8	000.0103	0827.0	062.6	38.68
253.0	013.5000	0105.0	035.0	034.3	000.0108	0828.2	063.0	38.76
254.0	013.5000	0104.8	035.0	033.9	000.0113	0829.3	063.4	38.82
255.0	013.5000	0104.5	034.9	033.5	000.0117	0830.2	063.8	38.88
256.0	013.5000	0104.3	034.9	033.1	000.0122	0831.1	064.2	38.91
257.0	013.5000	0104.0	034.8	032.8	000.0126	0832.0	064.7	38.93
258.0	013.5000	0103.6	034.8	032.4	000.0130	0832.8	065.2	38.94
259.0	013.5000	0103.2	034.7	032.1	000.0135	0833.6	065.6	38.94
260.0	013.5000	0102.7	034.6	031.8	000.0138	0834.3	066.1	38.91
261.0	013.5000	0102.1	034.6	031.5	000.0142	0835.0	066.7	38.88
262.0	013.5000	0101.6	034.5	031.2	000.0146	0835.6	067.2	38.83
263.0	013.5000	0101.1	034.4	031.0	000.0149	0836.3	067.7	38.79
264.0	013.5000	0100.8	034.3	030.7	000.0153	0836.9	068.2	38.74
265.0	013.5000	0100.6	034.3	030.4	000.0157	0837.5	068.7	38.70
266.0	013.5000	0100.5	034.3	030.1	000.0161	0838.2	069.2	38.66
267.0	013.5000	0100.1	034.2	029.9	000.0164	0838.7	069.7	38.61
268.0	013.5000	0099.6	034.1	029.7	000.0168	0839.1	070.3	38.55
269.0	013.5000	0099.1	034.1	029.5	000.0172	0839.5	070.8	38.49
270.0	013.5000	0098.6	034.0	029.3	000.0176	0839.9	071.4	38.41
271.0	013.5000	0098.3	033.9	029.1	000.0180	0840.2	071.9	38.36
272.0	013.5000	0098.3	033.9	028.9	000.0185	0840.6	072.4	38.31
273.0	013.5000	0098.3	033.9	028.7	000.0189	0840.9	073.0	38.26
274.0	013.5000	0098.3	033.9	028.5	000.0194	0841.2	073.5	38.19
275.0	013.5000	0098.3	033.9	028.3	000.0198	0841.5	074.0	38.12
276.0	013.5000	0098.3	033.9	028.1	000.0202	0841.7	074.6	38.04
277.0	013.5000	0098.2	033.9	028.0	000.0205	0841.9	075.1	37.96

Allocation Study

KMTG LIC
CH 207A
0.300 kW ERP
185 m COR AMSL
37 12 06 / 121 51 42

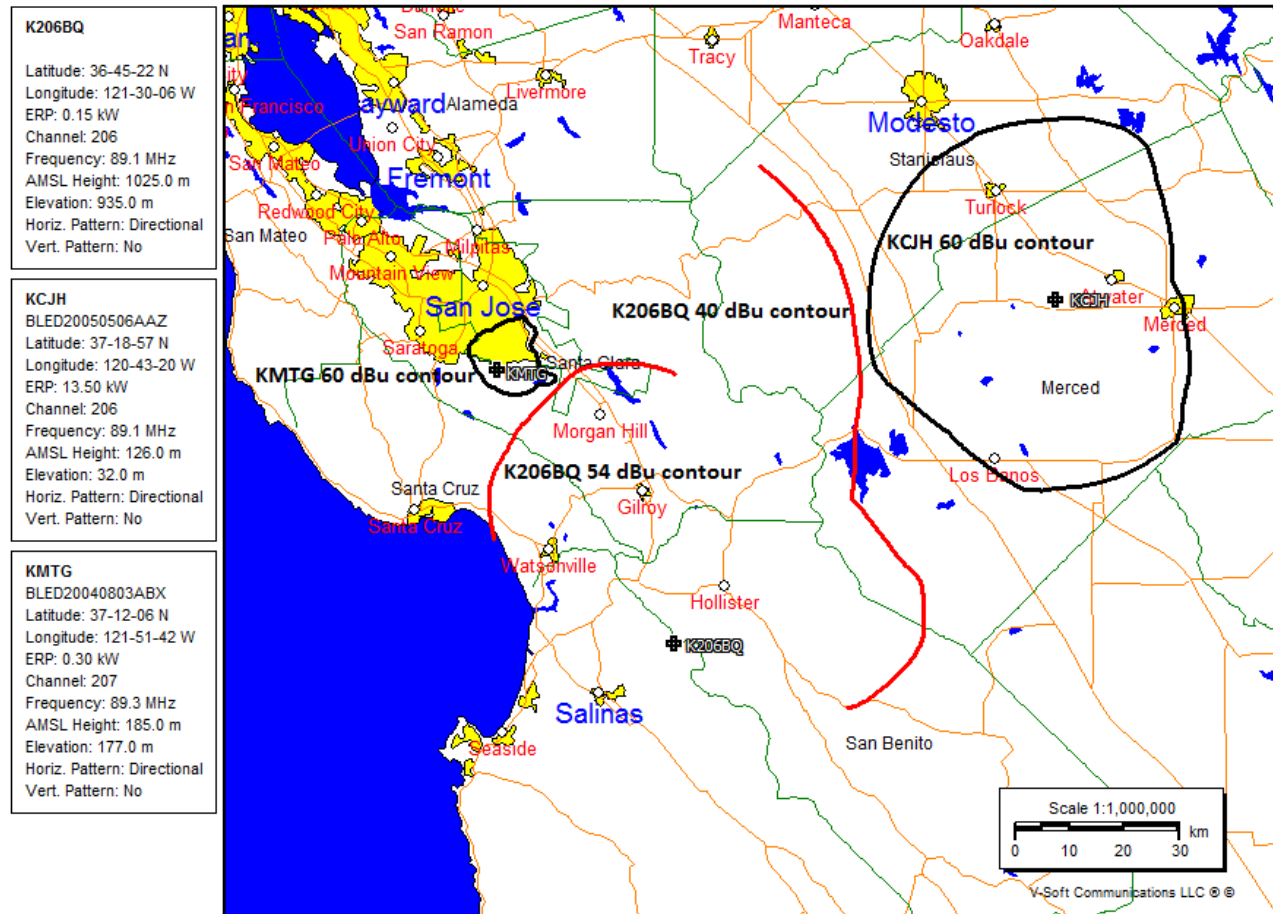
K206BQ PROPOSED
CH 206D
0.150 kW ERP
1025 m COR AMSL
36 45 22 / 121 30 06

Protected 60 dBu

Interfering 54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
092.0	000.3000	0041.2	008.7	334.8	000.1426	0802.6	054.4	52.66
093.0	000.3000	0046.8	009.4	335.3	000.1434	0807.1	054.0	52.89
094.0	000.3000	0052.2	009.9	335.8	000.1440	0811.2	053.6	53.11
095.0	000.3000	0055.0	010.2	336.0	000.1443	0812.8	053.3	53.24
096.0	000.3000	0057.3	010.4	336.1	000.1444	0813.6	053.0	53.35
097.0	000.3000	0058.5	010.5	336.1	000.1444	0813.6	052.8	53.42
098.0	000.3000	0058.2	010.5	335.9	000.1442	0812.5	052.7	53.46
099.0	000.3000	0057.4	010.4	335.8	000.1440	0810.9	052.6	53.48
100.0	000.3000	0056.5	010.3	335.6	000.1437	0809.2	052.5	53.49
101.0	000.3000	0054.9	010.2	335.3	000.1434	0806.9	052.4	53.47
102.0	000.3000	0052.8	010.0	335.0	000.1429	0804.4	052.4	53.44
103.0	000.3000	0051.2	009.8	334.8	000.1426	0802.3	052.3	53.42
104.0	000.3000	0049.6	009.7	334.5	000.1422	0800.2	052.3	53.39
105.0	000.3000	0046.8	009.4	334.1	000.1416	0797.4	052.4	53.32
106.0	000.3000	0042.2	008.8	333.6	000.1408	0793.4	052.6	53.16
107.0	000.3000	0035.7	008.1	332.9	000.1398	0788.5	053.0	52.92
108.0	000.3000	0027.8	007.4	332.3	000.1392	0784.8	053.4	52.72
109.0	000.3000	0017.3	007.4	332.2	000.1390	0784.2	053.3	52.74
110.0	000.3000	0005.9	007.4	332.1	000.1389	0783.6	053.2	52.76
111.0	000.2935	-0005.7	007.4	332.0	000.1387	0782.9	053.2	52.77
112.0	000.2871	-0016.9	007.3	331.8	000.1386	0782.3	053.1	52.78
113.0	000.2807	-0025.9	007.3	331.7	000.1384	0781.6	053.1	52.78
114.0	000.2744	-0033.7	007.3	331.5	000.1382	0781.1	053.0	52.78
115.0	000.2682	-0039.3	007.2	331.4	000.1380	0780.5	053.0	52.79
116.0	000.2620	-0043.9	007.2	331.3	000.1378	0780.0	052.9	52.79
117.0	000.2560	-0047.4	007.1	331.1	000.1376	0779.5	052.9	52.79
118.0	000.2500	-0050.5	007.1	331.0	000.1374	0779.0	052.9	52.79
119.0	000.2440	-0053.6	007.0	330.9	000.1372	0778.6	052.8	52.79
120.0	000.2382	-0055.9	007.0	330.7	000.1370	0778.3	052.8	52.79
121.0	000.2285	-0059.0	006.9	330.6	000.1368	0777.9	052.8	52.78
122.0	000.2190	-0063.7	006.9	330.4	000.1365	0777.6	052.8	52.77
123.0	000.2097	-0070.2	006.8	330.3	000.1363	0777.4	052.8	52.75
124.0	000.2006	-0078.1	006.7	330.1	000.1361	0777.1	052.8	52.74
125.0	000.1918	-0087.1	006.6	330.0	000.1359	0776.8	052.9	52.72
126.0	000.1831	-0094.7	006.6	329.8	000.1355	0776.6	052.9	52.69
127.0	000.1746	-0099.0	006.5	329.7	000.1351	0776.3	052.9	52.67

Allocation Study



Allocation Study

K206BQ will be located within the 60 dBu protected contour of third adjacent KLVM (LIC), CH 209B, Prunedale, CA. KLVM is located on the same tower as is proposed for K206BQ. The signal strength of KLVM at the site is a minimum of 103 dBu. The corresponding interference contour is 143 dBu which extends out no more than 10 meters. K206BQ's antenna COR AGL height is 90 meters, thus the interference contour will not reach the ground by a margin of 80 meters. Furthermore, there are no populated structures within 10 meters of the base of the tower. Based on the showing of no population within the area of predicted interference, a waiver of Section 74.1204(d) is respectfully requested.

