



## EXHIBIT #1 ENGINEERING STATEMENT

Concerning the Application of  
KCBX, Inc.  
To Make a Minor Change to Licensed NCE FM Translator  
K215AG  
Solvang, Etc., California

February 2006

**Channel 215D                                           0.01 kW H & V DA**

This engineering statement supports the application filed by KCBX, Inc. to correct the coordinates of the transmitter, increase ERP and modify the directional antenna for its NCE FM translator, K215AG, BLFT-19830509ME. No other changes are proposed.

Under the instant proposal, a type approved, FM transmitter delivers its output to a circularly polarized antenna that radiates a maximum of 0.01 kilowatts in both the horizontal and vertical planes.

Page #2 is a 60 dBu change area map of the proposed 60 dBu contour.

Page #3 of this study is a distance to contour table, showing the new distances to 60 dBu signal contour of the proposal.

**Exhibit #12** is a computer generated channel study, defining the relationship between the revised K215AG and adjacent stations.

There is only one television channel 6 station within the 134 km cutoff distance. KSBY transmits with 100 kW ERP from a location 112.4 km along azimuth 325.8 from the proposed K215AG transmitter site. **Exhibit #13** is a letter from KSBY, showing concurrence with proposed modification of the K215AG facilities.

**Exhibit #16** is a statement of the RF hazard compliance of the proposed facility.

Page #4 of this exhibit (Ex. #1) is a declaration made by the preparer, Kate Michler, attesting to her qualifications.

## K215AG Proposed 60 dBu Change Area

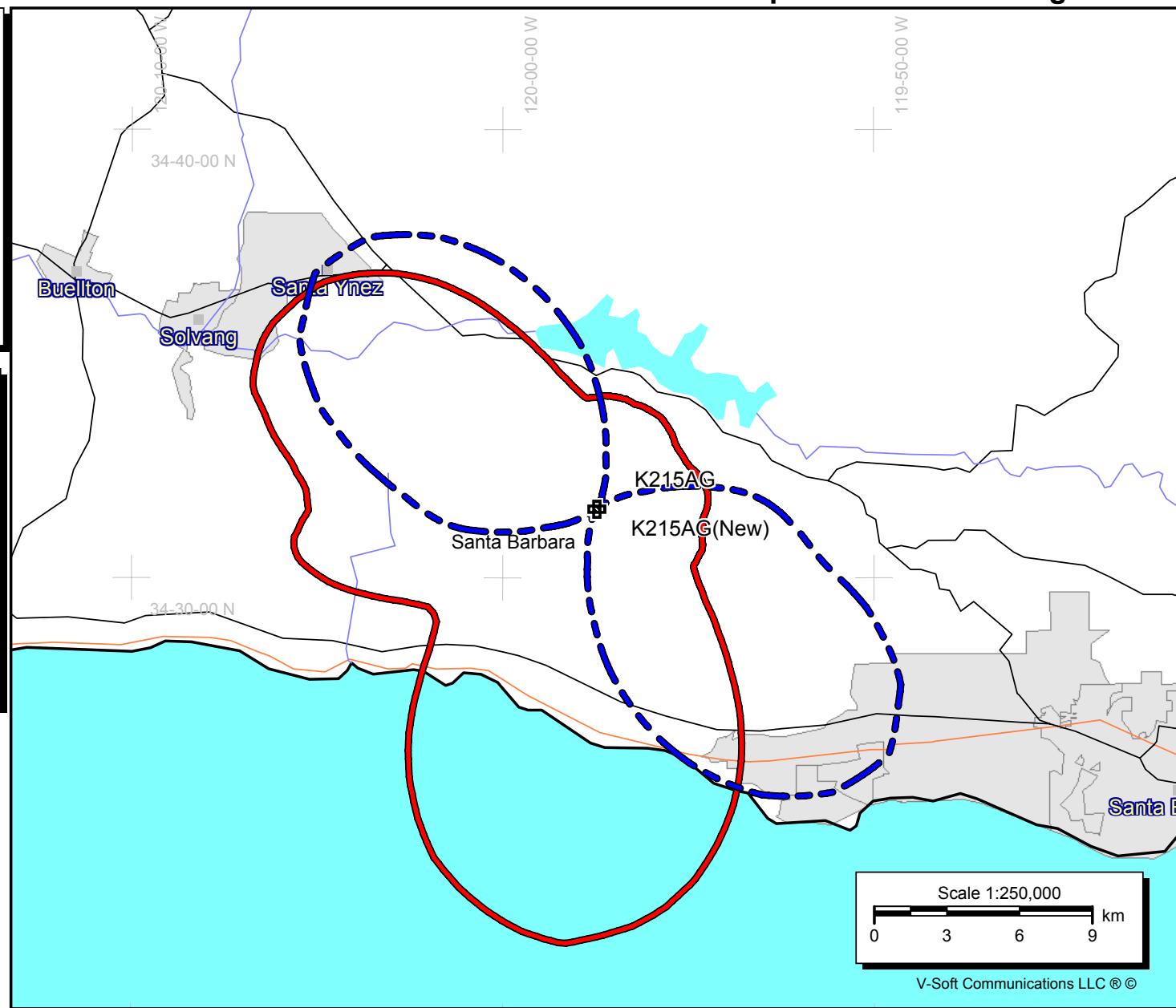
K215AG(New)

Latitude: 34-31-31 N  
 Longitude: 119-57-29 W  
 ERP: 0.01 kW  
 Channel: 215  
 Frequency: 90.9 MHz  
 AMSL Height: 1231.6 m  
 HAAT: 911.36 m  
 Horiz. Pattern: Directional  
 Vert. Pattern: No  
 Pop = 3,556

K215AG

BLFT19830509ME  
 Latitude: 34-31-32 N  
 Longitude: 119-57-28 W  
 ERP: 0.008 kW  
 Channel: 215  
 Frequency: 90.9 MHz  
 AMSL Height: 1252.0 m  
 HAAT: 939.0 m  
 Horiz. Pattern: Directional  
 Vert. Pattern: No  
 Pop = 27,575

2/24/2006



N. Lat. = 34 31 31 W. Lng. = 119 57 29  
HAAT and Distance to Contour - FCC Method - 30 Arc. Sec.  
K215AG (New) Distance to Protected Contour

Azi. AV EL HAAT ERP kw dBk Field 60-F5

Azi.	AV	EL	HAAT	ERP	kw	dBk	Field	60-F5
000	322.2	909.4	0.0005	-32.88	0.227	4.63		
030	343.6	888.0	0.0005	-32.84	0.228	4.65		
060	403.7	827.9	0.0004	-33.76	0.205	4.20		
090	628.5	603.1	0.0005	-32.80	0.229	4.53		
120	313.8	917.8	0.0005	-32.88	0.227	4.63		
150	113.8	1117.8	0.0040	-24.03	0.629	11.97		
180	76.4	1155.2	0.0096	-20.18	0.979	17.61		
210	88.9	1142.7	0.0063	-21.99	0.795	14.70		
240	187.1	1044.5	0.0016	-27.87	0.404	8.00		
270	692.7	538.9	0.0075	-21.27	0.864	11.86		
300	383.8	847.8	0.0091	-20.42	0.953	15.40		
330	288.3	943.3	0.0029	-25.45	0.534	10.00		

Ave El= 320.24 M HAAT= 911.36 M AMSL= 1231.6 M

**Declaration:**

I, Katherine A. Michler, have received a Bachelor of Science degree from the University of Northern Iowa, and;

That, I declare that I have received training as a technical consultant as a member of the staff of Doug Vernier Telecommunications Consultants, and;

That, I have apprenticed under Douglas Vernier for over eight years, and;

That, he has been active in broadcast consulting for over 30 years, and;

That, his qualifications are a matter of record with the Federal Communications Commission, and;

That, I am an Associate Member (#20792) of the Society of Broadcast Engineers, Indianapolis, Indiana, and;

That, the consulting firm of Doug Vernier Telecommunications Consultants has been retained by KCBX, Inc. San Luis Obispo, California, and;

That, I have personally prepared these engineering showings, the technical information contained in same and the facts stated within are true to my knowledge, and;

That, under penalty of perjury, I declare that the foregoing is correct.

 \_\_\_\_\_ Katherine A. Michler

Executed on February 24, 2006