

LIEBERMAN & WALISKO
CONSULTING TELECOMMUNICATIONS ENGINEERS
701 YEATMAN PARKWAY
SILVER SPRING, MD 20902

KMQA - East Porterville, CA

ENGINEERING STATEMENT

I ABSTRACT

This engineering exhibit supports the application of MPB Licensee, LLC, licensee of KMQA, East Porterville, CA requesting a construction permit authorizing 1) a change in class from B1 to B and 2) a move from its present site to a new site near Balance Rock, CA.

This application proposes the continued use of FM channel 263 (100.5 mHz) but with an effective radiated power of 50.00 kW at a height above average terrain of 43 meters.

This application meets all the rules pertaining to compliance with 47 C.F.R. Section §73.207 for spacing.

This engineering report complies in all other respects with the pertinent sections of the FCC rules.

II RESPONSE TO FCC FORM 301

Paragraph 3:

The coordinates shown herein are for a site that meets the requirements set forth in 47 C.F.R. Section §73.207. The site is also shown in the map titled Engineering Exhibit 2, attached hereto.

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II RESPONSE TO FCC FORM 301 (Cont'd)

Paragraph 5:

The tower to be used is of minimal height (less than 200' AGL). A TOWAIR study of the site indicates the instant proposed site is well beyond the nearest airport and requires no notification to the FAA. The TOWAIR study is attached hereto as Engineering Exhibit 4.

Paragraph 13:

The instant application continues the use of FM channel 263 at E. Porterville, CA. The instant proposed site however, is beyond the 32.6 kilometer circle allowed for allocation purposes for stations seeking an upgrade to a Class B. The actual distance from the instant proposed site to the reference coordinates for East Porterville is 40.78 kilometers.

The applicant, therefore, requests the instant application be granted a Woodstock Exception and asks that it be processed under the guidelines found in FCC 88-261.

In making this request, the applicant offers the instant allotment site, which is also the proposed transmitter site¹, is on private land for which reasonable assurance has been obtained. Evidence of this is found in Engineering Exhibit 3 attached hereto. Power and access is immediately available. Additionally, as stated earlier, a TOWAIR study indicates FAA approval is not required. However, the TOWAIR study is attached hereto as Engineering Exhibit 4.

1. That the allocation site and the transmitter site be one in the same is one of the requirements for granting a Woodstock Exception.

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KQMA - East Porterville, CA

II RESPONSE TO FCC FORM 301 (Cont'd)

Paragraph 14:

Engineering Exhibit 5 is a map depicting the 70 dBu coverage of East Porterville when constructed utilizing the method found in 47 C.F.R. Section §73.313.

Paragraph 16:

Engineering Exhibit 6 is a frequency search that demonstrates the instant proposed operation could operate from the instant proposed site for the sought after class increase as required by 47 C.F.R. Section §73.207.

Paragraph 17:

The proposed construction will have no significant environmental impact and any FCC action with regard to this application would be categorically exempt from environmental processing under 47 C.F.R. Section §1.1306 of the rules and does not fall into any of the categories specified in 47 C.F.R. Section §1.307(a) of the rules. High intensity obstruction lighting is not contemplated.

Calculations performed in Engineering Exhibit XV using the procedures found in OST Bulletin #65 ANSI guidelines show that the theoretical "worst case" radio frequency radiation produced by the proposed operation would not exceed the limits of radio frequency protection guidelines contained in the ANSI standard (American National Standard Safety Levels With Respect to Human Exposure to

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II RESPONSE TO FCC FORM 301 (Cont'd)

Paragraph 17 (Con't):

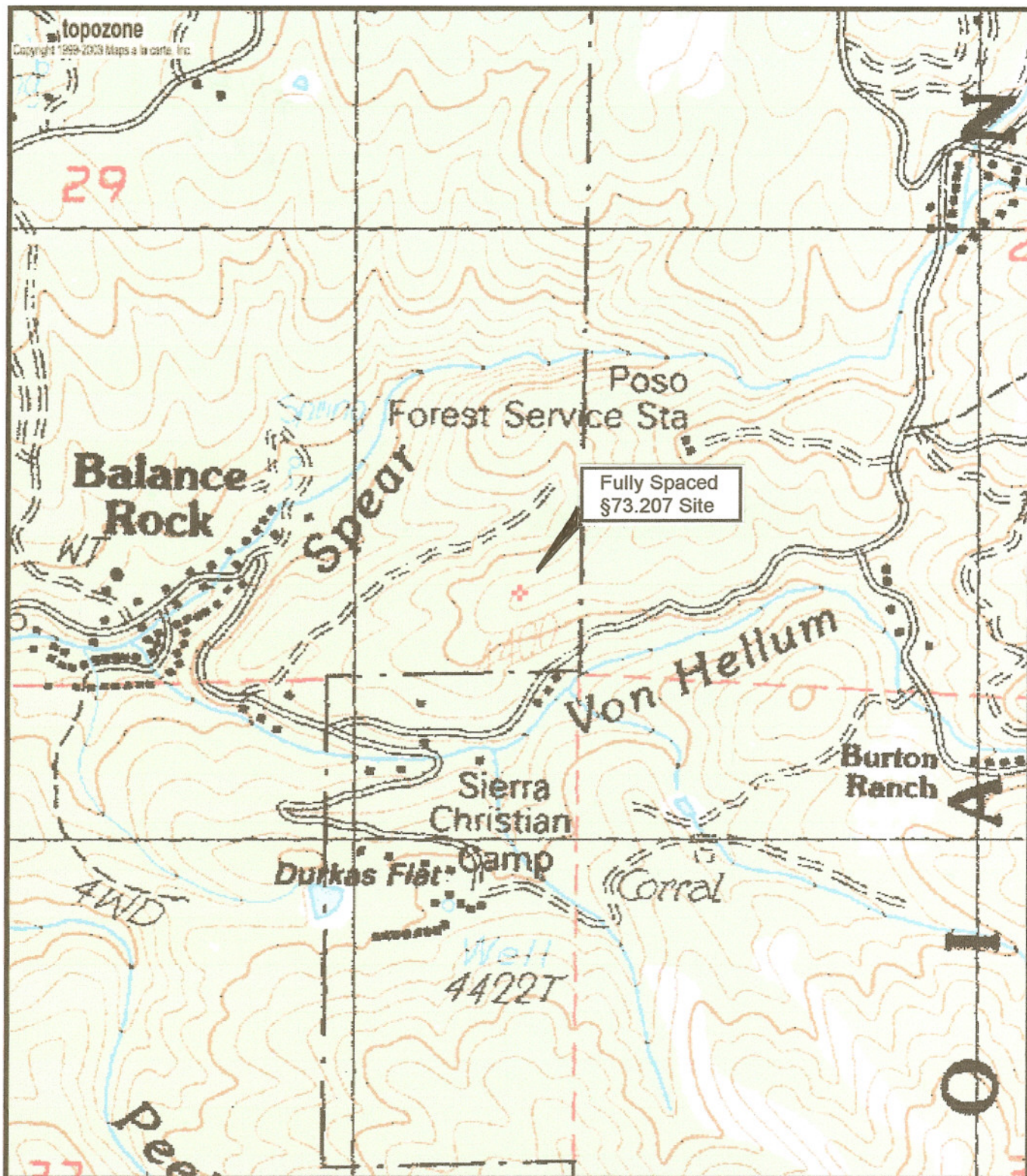
Radio Frequency Electromagnetic Fields, 300 kHz to 100 GHz). These "worst case" calculations assume an isotropic radiating source. Actual field strength values decrease significantly at elevation angles substantially below the horizon. The instant proposed antenna is an EPA Type 3 radiator.

Utilizing the procedures found in the OST Bulletin, the level at which the ANSI maximum allowable radiation limit of 0.2 mW/cm² for the instant proposed operation would be found is at 25.8 meters below the center bay. At 2 meters above the ground, the radiation value would be 0.0660 mW/cm² which is well below the ANSI maximum standard. In the event worker access to the tower is required, power to the antenna will be removed when the climber reaches 84.65 feet below the center bay of the proposed three bay antenna.

The site itself is on private property and will be appropriately fenced and marked.

III METHODS EMPLOYED

All data and computations contained herein or upon which this engineering report is based are in complete accord with the pertinent sections of the FCC rules unless otherwise specifically so stated.



0 0.1 0.2 0.3 0.4 0.5 km

0 0.09 0.18 0.27 0.36 0.45 mi

Map center is 35° 48' 19"N, 118° 38' 46"W (NAD27)

POSEY quadrangle

Projection is UTM Zone 11 NAD83 Datum

ENG. EXHIBIT 2

G-0.304

KQMA - E. Porterville, CA

**FULLY SPACED TRANSMITTER
SITE PER \$73.207**

Sept. 2006

Lieberman & Walisko

ENG. EXHIBIT 3

Subj: **Re: Land on page 31 - Posey, CA**
Date: 09/05/06 10:42:42 PM Eastern Daylight Time
From: [SIGNAL1236](#)
To: [LiebWal](#)
CC: [ZKARR42032](#)

In a message dated 9/5/2006 7:09:15 P.M. Pacific Standard Time, LiebWal writes:

Melvyn:

We are willing to lease a small portion of property on the property mentioned below for a communication tower. How close to electricity are your requirements? I copied Fred Karr this e-mail.

Jess Karr

Hondo Inc

20807 Stockdale Hwy

Bakersfield, CA 93314

Ph (661) 589-1042

Fax (661) 589-5928

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Mr. Jess Karr
112 Cortez
Bakersfield, CA 93314

Dear Mr. Karr:

Thank you for your time just now on the telephone in which we spoke of the land you own in the Posey CA area identified in the Tulare County Tax Records in Book 345, Page 31, Parcel 51.

In our discussion you indicated your willingness to lease to our client a small plot of land for us to erect a communications tower.

If this accurately reflects our conversation would you please acknowledge your agreement via a return e-mail.

Very truly yours,

Melvyn Lieberman
Lieberman & Walisko
Consulting Telecommunications Engineers
701 Yeatman Parkway
Silver Spring, MD 20902
301-681-9889

Je

TOWAIR Determination Results

*** NOTICE ***

TOWAIR's findings are not definitive or binding, and we cannot guarantee that the data in TOWAIR are fully current and accurate. In some instances, TOWAIR may yield results that differ from application of the criteria set out in 47 C.F.R. Section 17.7 and 14 C.F.R. Section 77.13. A positive finding by TOWAIR recommending notification should be given considerable weight. On the other hand, a finding by TOWAIR recommending either for or against notification is not conclusive. It is the responsibility of each ASR participant to exercise due diligence to determine if it must coordinate its structure with the FAA. TOWAIR is only one tool designed to assist ASR participants in exercising this due diligence, and further investigation may be necessary to determine if FAA coordination is appropriate.

DETERMINATION Results

Structure does not require registration. There are no airports within 8 kilometers (5 miles) of the coordinates you provided.

Your Specifications

NAD83 Coordinates

Latitude 83-35-18.8 north
Longitude 118-38-49.3 west

Measurements (Meters)

Overall Structure Height (AGL) 50
Support Structure Height (AGL) 50
Site Elevation (AMSL) 1365

Structure Type

TOWER - Free standing or Guyed Structure used for Communications Purposes

Tower Construction Notification

Notify Tribes and Historic Preservation Officers of your plans to build a tower.
Note: Notification does NOT replace [Section 106 Consultation](#).

CLOSE WINDOW