EXHIBIT E-2A

Klein Broadcast Engineering
Paradise Valley, Arizona

November 10, 1991

Site survey program within 10.0 km

Title: MOONBEAM, INC. / CALISTOGA,CA. Coordinates: 38-39-22 122-36-57

The nearest FCC monitoring station is 128 km distant at Livermore, CA

This site is 842 km distant from the US/Mexican border.

This site is 1066 km distant from the US/Canadian border.

Type	Call sign	Chan	Auth	Height (m)	Power (kW)	City	State	Bear. (deg)	Dist. (km)
						Silverado Mine	CA	111.7	1.17
						Red Hill	CA	171.8	1.68
PL						Robert Louis Stevenson	CA	94.0	1.77
PL						Saint Helena, Mount	CA	316.2	2.06
PL						Troutdale Creek	CA	63.9	2.74
AM	KMXN	1150	CP	59	5	SANTA ROSA	CA	184.0	18.76
FM	KCLB-FM1	220	LIC		.08	AETNA SPRINGS	CA	.0	.00
FM	KBBF	206	LIC	844	.42	SANTA ROSA	CA	66.9	.08
FM	KCDS	210	LIC	925	.79	ANGWIN	CA	317.1	1.98

KLEIN BROADCAST

FM Spacing study

Title: MOONBEAM, INC. / CALISTOGA,CA.
Channel 265A (100.9 MHz)
Database: FCC 09/24/91

Latitude: 38-39-22
Longitude: 122-36-57
Safety zone: 30 km

Call City of License	Auth	Licensee name St FCC File no.	Chan Freq	ERP-kW EAH-m	Latitude Longitude	Br-to -from	Dist. (km)	Req. (km)
KCJH	LIC	Western Apostolic Bible	*211B	26DA	37-57-10	123.6	140.1	15
Stockton		CA	90.1	55	121-17-11	304.4	125.1	CLEAR
KDVS	LIC	University of California	*212B1	5	38-32-30	99.4	76.13	12
Davis		CA	90.3	46	121-45-15	279.9	64.13	CLEAR
KBAY	LIC	United Broadcasting Comp	262B	14.5	37-06-40	158.2	184.5	69
San Jose		CA BMLH-800820AG	100.3	786	121-50-34	338.7	115.5	CLEAR
GRANDFATHERED AT 14.5KW @ 786M HAAT.; DOC-20611								
ALLOC			263B1		38-46-00	279.1	80.31	48
Gualala		CA DOC-90-467	100.5		123-31-42	98.5	32.31	CLEAR
Effective 08-06-91; Filing window 08/06-09/05/91 **CLOSED**								
ALLOC			264A		37-59-25	172.2	74.61	72
San Rafael		CA DOC-89-86	100.7		122-29-58	352.2	2.605	CLOSE
Effective 5-10-90-Rsvd for KTIDFM, per D89-86								
KTID-FM	CP	Marin Broadcasting Compa	264A	.48	37-59-24	172.1	74.64	72
San Rafael		CA BPH-900726IC	100.7	243	122-29-57	352.2	2.640	CLOSE
From channel 265A per D89-86								
KTID-FM	APC	Marin Broadcasting Compa	264A	2.23	37-59-40	172.1	75.41	72

ALLOC [illegible] 38-51-20 80.3 139.9 113
Auburn CA 101.1 121-01-39 261.3 26.87 CLEAR
Coordinates updated from LIC record BLH850521KC

EXHIBIT E-5 page two

Klein Broadcast Engineering
Paradise Valley, Arizona

November 10, 1991

FM Spacing study

Title: MOONBEAM, INC. / CALISTOGA,CA. Latitude: 38-39-22

EXHIBIT E-6

Klein Broadcast Engineering
Paradise Valley, Arizona

November 10, 1991

Terrain Averages from NGDC 30-second Topographic database

Job Title: MOONBEAM, INC. / CALISTOGA,CA.
Center of Radiation 1228.0 m (4028.9 ft) A.M.S.L.

Latitude: 38-39-22
Longitude: 122-36-57

Bearing (Degrees true)	3.0 to 16.0 kilometer average terrain elevation (meters)	(feet)	Height above average terrain (meters)	(feet)
.0	419.9	1377.6	808.1	2651.2
45.0	428.6	1406.2	799.4	2622.7
90.0	465.3	1526.6	762.7	2502.3
135.0	287.9	944.6	940.1	3084.3
* 161.0	305.0	1000.7	923.0	3028.2
180.0	299.0	981.0	929.0	3047.9
225.0	259.0	849.7	969.0	3179.1
270.0	226.1	741.8	1001.9	3287.1
315.0	805.9	2644.0	422.1	1384.8

EXHIBIT E-7
Klein Broadcast Engineering
Paradise Valley, Arizona

November 10, 1991

Service contours based on FCC F(50,50) curves

Title: MOONBEAM, INC. / CALISTOGA,CA. Latitude: 38-39-22
Channel: 265 C/R 1228.0 meters (4028.9 feet) A.M.S.L. Longitude: 122-36-57

Bearing (degrees)	HAAT (meters) (feet)	ERP (kiloWatts) (dBk)	70 dBu (3.16 mV/m) contour	60 dBu (1 mV/m) contour	54 dBu (.50 mV/m) contour
.0	808.1	.075	14.1 km	27.9 km	39.9 km
	2651.2	-11.2	8.8 mi	17.3 mi	24.8 mi
45.0	799.4	.075	14.1 km	27.7 km	39.7 km
	2622.7	-11.2	8.7 mi	17.2 mi	24.6 mi
90.0	762.7	.075	13.8 km	27.1 km	38.6 km
	2502.3	-11.2	8.6 mi	16.8 mi	24.0 mi
135.0	940.1	.075	14.8 km	30.2 km	43.0 km
	3084.3	-11.2	9.2 mi	18.7 mi	26.7 mi
* 161.0	923.0	.075	14.7 km	29.9 km	42.6 km
	3028.2	-11.2	9.1 mi	18.6 mi	26.5 mi
180.0	929.0	.075	14.7 km	30.0 km	42.8 km
	3047.9	-11.2	9.2 mi	18.6 mi	26.6 mi
225.0	969.0	.075	15.0 km	30.6 km	43.6 km
	3179.1	-11.2	9.3 mi	19.0 mi	27.1 mi
270.0	1001.9	.075	15.1 km	31.2 km	44.2 km
	3287.1	-11.2	9.4 mi	19.4 mi	27.5 mi
315.0	422.1	.075	11.0 km	19.8 km	27.7 km
	1384.8	-11.2	6.8 mi	12.3 mi	17.2 mi
HAAT:	829.0				
	2719.9				

Note: Radial(s) denoted by "*" not included in HAAT calculation.

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NOVEMBER 1991

EXHIBIT E-10-RHS
FCC FORM 301 APPLICATION
FOR FM CONSTRUCTION PERMIT
MOONBEAM, INC.
N E W (FM)
FM CHANNEL 265 A / 100.9 mHz.
CALISTOGA , CALIFORNIA

R F RADIATION HAZARD COMPLIANCE STATEMENT

The facilities proposed by the applicant in this FCC Form 301 application for FM construction permit comply with the FCC O.S.T. Bulletin Number 65 and the ANSI C-95.1-1982 RF exposure guidelines. The interpolation of the figures in Table One page 37 of the above referenced document show WORST case requirements of 2.46 meters above the ground level requirement for the radiation center of the proposed one (1) bay FM antenna. A combined vertical and horizontal effective radiated power of 0.15 kilowatts was used. The radiation center for the new FM antenna is 21.0 meters above the ground level at the site, well within the above requirement for the station as proposed. The proposed antenna to be used is an Electronics Research Inc. FML-1, one (1) section circularly polarized antenna. The antenna manufacturer, Electronics Research Inc., states it's antenna meets the BEST case downward radiation pattern as listed on page 37 of the FCC OST Bulletin #65 RF Guidelines.

Occupational compliance is certified by the reduction of operating power or the complete cessation of operation during the time maintenance personnel are on the tower.

RF radiation warning signs will been posted in and around the site. The only access to the site is by one dirt road that is restricted by a locked chain link type gate. The general public has NO access to the site.

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In addition to the above the applicant has by computer program performed the required calculations to predict power density at the base of the antenna support structure for the facilities proposed in this FCC Form 301 application. The computer program predicts a maximum power density for the proposed facilities of 0.0031 mW/cM2 at a distance of 18.0 meters from the base of the antenna support structure. This level is well within the maximum allowable RFR power density level listed in the ANSI/EPA guidelines of 1.00 mW/cM2.

As proposed the applicant plans to locate it's new FM facilities on the existing tower, atop the south peak of Mount St. Helena, Napa County, California. The proposed new Fm station is collocated low power TV translator station K25DV and FM Booster Station KCLB-FM1, these stations were also studied for compliance with RFR guidelines. The facilities studied for K25DV were operation on TV channel 25, 536 to 542 mHz. with 1.50 kilowatts ERP in both the horizontal and vertical planes. The maximum calculated RFR power density for K25DV is 0.0082 mW/cM2 at a distance of 6.0 meters from the base of the antenna support structure. The Radiation center of the K25DV antenna is assumed to be 23 meters AGL. This is well within the WORST case requirements for the operation of K25DV. FM Booster Station KCLB-FM1 was studied with the following facilities: E.R.P. 0.08 kilowatts horizontal and vertical polarization for a combined power of 0.16 kilowatts at assumed height of 20 meters AGL. The calculated height requirement for the radiation center of the KCLB-FM1 booster station is 2.62 meters AGL. The calculated maximum power density is 0.0037 mW/cM2 at a distance of 18 meters from the base of the antenna support structure.

The applicant has therefore studied all sources of RFR radiation on the proposed site and the total RFR power density by arithmetic sum is well in compliance with the FCC O.S.T. Bulletin #65 and the ANSI/EPA RFR Guidelines for the two separate frequency bands involved. By suming all the maximum power densities calculated the total RFR maximum power density on the site is predicted at 0.015 mW/cM2. This level is only 1.5% of the allowable RFR power density for the site.

There are other FCC licensed services on the site that are non broadcast and operate at low power levels and were considered NOT to contribute any significant amounts to the calculated RFR power density levels on the site.

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The computer program uses the Far Field method for calculation of power density. The formula used by the computer program was derived from the FCC O.S.T. Bulletin #65 pages 7 through 12 inclusive. The formula used may be stated in the following manner.

E(V/m) = 1.6*221.72*SQRT(ERP)*
(element pattern factor)*(array factor)/DIST

H(A/m) = 1.6*0.588*SQRT(ERP)*
(element pattern factor)*(array factor)/DIST

Where:

ERP = effective radiated power in kilowatts relative to a halfwave dipole.

DIST = distance from the antenna radiation center to the observation point in meters.

The 1.6 factor found in the ANSI/EPA formula and used above at the beginning of each equation takes into account possible contributions from ground reflections. The element pattern factor is a linearly interpolated relative field value at the appropriate depression angle below the horizon as taken directly from the EPA data. The array factor is computed at the appropriate depression angle using the number of antenna elements, when normalized to 1.0 in the main lobe. This array factor only applies to arrays of point sources where each source has equal power distribution and phase, and are uniformly spaced. The element patterns themselves can be associated with particular antenna designs. As of May 1986 there were six element types identified for FM antennas as listed in the ANSI/EPA data and FCC O.S.T. Bulletin #65. The crossed ring type of element used on the Harris/Electronics Research Inc. FML-1 antenna was used for the calculations for the new FM facilities proposed on FM channel 265 in this application and the facilities for KCLB-FM1 booster station.

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EXHIBIT E-15

DO NOT REMOVE CARBONS

Form Approved OMB No. 2120-0001

US Department of Transportation
Federal Aviation Administration

NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION

NO NEW TOWER CONSTRUCTION PROPOSED

Aeronautical Study Number

1. Nature of Proposal

A. Type
- [x] New Construction
- [ ] Alteration

B. Class
- [x] Permanent
- [ ] Temporary (Duration _____ months)

C. Work Schedule Dates
Beginning Upon FCC grant
End 90 days after

2. Complete Description of Structure

A. Include effective radiated power and assigned frequency of all existing, proposed or modified AM, FM or TV broadcast stations utilizing this structure

B. Include size and configuration of power transmission lines and their supporting towers in the vicinity of FAA facilities and public airports

C. Include information showing site orientation, dimensions and construction materials of the proposed structure

Proposed operation on FM Channel 265A / 100.9 mHz. with 0.075 kW E.R.P., Horizontal & Vertical Polarization. Radiation center of proposed one bay FM antenna to be mounted at the 70 foot level of an existing vertical steel mono pole atop the south peak of Mount St. Helena, no changes to the existing antenna tower structure are proposed

(if more space is required, continue on a separate sheet.)

3A. Name and address of individual, company, corporation, etc. proposing the construction or alteration. (Number, Street, City, State and Zip Code)

(415) 662-2226
area code — Telephone Number

TO

Mary Constant, President
Moonbeam, Inc.
One Marinship / Yacht Harbor
Sausalito, CA. 94965

B. Name, address and telephone number of proponent's representative if different than 3 above.

Elliott Kurt Klein, Conslt. B'cast. Engr.
KLEIN BROADCAST ENGINEERING
5529 East Sapphire Lane
Paradise Valley, AZ. 85253 (602) 991-0575

4. Location of Structure

A. Coordinates (To nearest second)	B. Nearest City, Town and State	C. Name of nearest airport, heliport, flightpark, or seaplane base
	Calistoga, CA.	7-M Ranch Pvt.
38° 39' 22" Latitude	(1) Distance to 4B: 5.92 Miles	(1) Distance from structure to nearest point of nearest runway: 7-M Ranch Pvt. 4.95 miles
122° 36' 57" Longitude	(2) Direction to 4B: 161° T.	(2) Direction from structure to airport: 32.3° T.

5. Height and Elevation (Complete to the nearest foot)

A. Elevation of site above mean sea level	3960'
B. Height of Structure including all appurtenances and lighting (if any) above ground, or water if so situated	80'
C. Overall height above mean sea level (A + B)	4040'

D. Description of location of site with respect to highways, streets, airports, prominent terrain features, existing structures, etc. Attach a U.S. Geological Survey quadrangle map or equivalent showing the relationship of construction site to nearest airport(s). (if more space is required, continue on a separate sheet of paper and attach to this notice.)

Proposed FM antenna to be mounted at the 70 foot level of a steel mono pole 80 feet AGL, located atop the south peak of Mount St. Helena, 5.92 miles NW of Calistoga, CA.

Notice is required by Part 77 of the Federal Aviation Regulations (14 C.F.R. Part 77) pursuant to Section 1101 of the Federal Aviation Act of 1958, as amended (49 U.S.C. 1101). Persons who knowingly and willingly violate the Notice requirements of Part 77 are subject to a fine (criminal penalty) of not more than $500 for the first offense and not more than $2,000 for subsequent offenses, pursuant to Section 902(a) of the Federal Aviation Act of 1958, as amended (49 U.S.C. 1472(a)).

I HEREBY CERTIFY that all of the above statements made by me are true, complete, and correct to the best of my knowledge. In addition, I agree to obstruction mark and/or light the structure in accordance with established marking & lighting standards if necessary.

Date	Typed Name/Title of Person Filing Notice	Signature
November 10, 1991	Elliott Kurt Klein, Conslt. B'cast. Engr.	

FOR FAA USE ONLY

FAA will either return this form or issue a separate acknowledgement.

The Proposal:

- [ ] Does not require a notice to FAA.
- [ ] Is not identified as an obstruction under any standard of FAR, Part 77, Subpart C,

Supplemental Notice of Construction FAA Form 7460-2 is required any time the project is abandoned, or

- [ ] At least 48 hours before the start of construction.
- [ ] Within five days after the construction reaches its greatest height.

This determination expires on _____ unless:

KLEIN BROADCAST ENGINEERING

STATE of ARIZONA)
CITY of SCOTTSDALE) ss:
COUNTY of MARICOPA)

Elliott Kurt Klein, being duly sworn states, that he is a consulting broadcast engineer with offices located at 5529 East Sapphire Lane, Paradise Valley, Arizona 85253. That he has been employed in the broadcast engineering profession since 1967, and that he has prepared many different reports and applications and presented them before the Federal Communications Commission, over the past twenty-five years. That his engineering qualifications are a matter of record with the Federal Communications Commission. That he has held a valid First Class Radiotelephone Operators License since 1967. That present license number is PG -11-21248, valid for life. That he is a member in good standing of The Society of Broadcast Engineers since 1969 (SBE). That he is a member in good standing of the Institute of Electrical and Electronic Engineers (IEEE). That the calculations and or measurements and exhibits in the accompanying report or application were made by him personally or under his supervision and direction, and that all facts contained herein are true of his own personal knowledge and belief, and on such facts or statements made on belief, they are believed to be true. He assumes no liability for any errors or omissions and shall not be liable for injuries and/or damages (including consequential) which might result from use of said information. All pages, engineering exhibits, and statements are covered under the copyright laws of the United States of America and remain the property of the client and Klein Broadcast Engineering. Any unauthorized use or reproduction is prohibited by law.

Affiant: Elliott Kurt Klein for the firm:

KLEIN BROADCAST ENGINEERING

Subscribed and sworn to before me,

this _____ day of _____ 19 91

My Commission Expires May 14, 1994

Notary Public: Date of Commission Expiration: