

Engineering Statement in support of
FCC FORM 318
APPLICATION FOR CONSTRUCTION PERMIT
FOR A LOW POWER FM BROADCAST STATION
(For a New Station)

This is an application by **Lafayette Parish School System** (the Applicant) for a new LPFM Broadcast Station serving Lafayette LA.

On channel 226 the proposed site is fully spaced under rule 73.807 to all authorized facilities, additions and vacancies.

The proposed site is not in an international border zone.

There are no translators or boosters within 10km of the proposed facility with inputs plus-or-minus 3 channels of 226, therefore the proposal is in compliance with rule 73.827(a).

This application was prepared using FCC 30-arc-second terrain data.

The nearest FCC Monitoring Station is Kingsville TX, more than 600km from the proposed facility. No advance notice of this application has been provided to the FCC.

The proposed antenna support is an existing roof mounted structure on a commercial building (The Cajundome), ASRN 1028916. The Applicant has a letter from the building owner indicating willingness to negotiate terms for placement of the proposed LPFM facility.

The antenna center of radiation will be 5.63 meters above the roof of the Cajundome. At no point 2-meters above the roof does the predicted RF level exceed the public exposure level. See RFR Exhibit.

Site Photo for reference attached as Figure "A"

ASRN for Reference Attached as Figure "J"

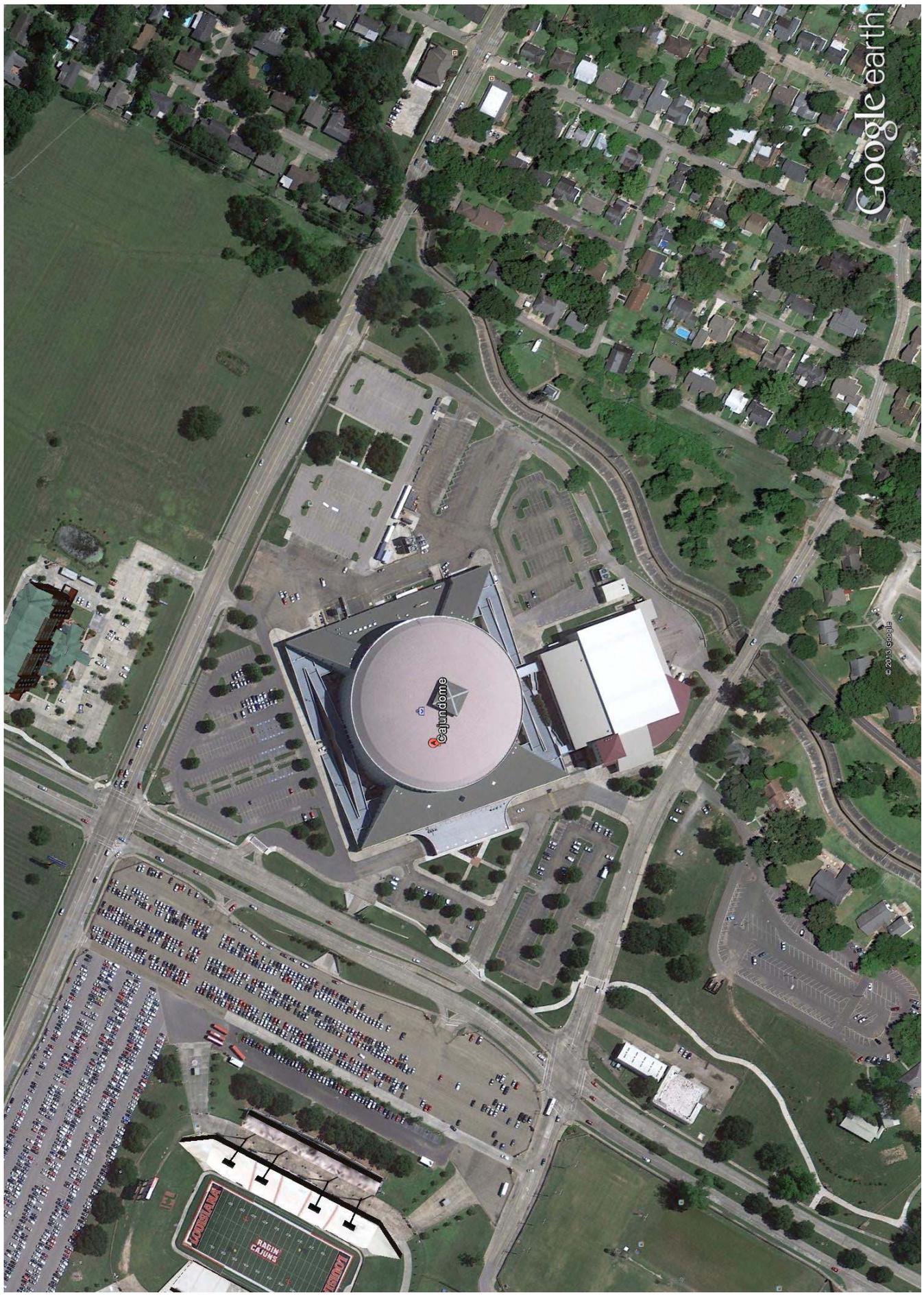
FAA 7040 for reference attached as Figure "K"

Section VI Engineering Data:

Tech Box Data:

- | | |
|--|--------------------------------|
| 1. Channel: 226 | |
| 2. Antenna Location Coordinates (NAD 27) | 30° 13' 06" N
92° 02' 19" W |
| 3. Antenna Structure Registration: | 1028916 |
| 4. Antenna Location Site Elevation Above Mean Sea Level: | 12 meters AMSL |
| 5. Overall Tower Height: | 57 meters AGL |
| 6. Radiation Center Height: | 51 meters AGL |
| 7. Power and Height Limitations: | Yes. |
| 8. Interference. | |
| a) Section 73.807: | Yes. |
| b) Section 73.827(a): | Yes. |
| 9. TV Channel 6 Interference (Channel 201-220): | N/A. |
| 10. NEPA: | Yes. |

Proposed Location Figure "A"



Google earth

feet
meters

1000

500



Lafayette Parish High School System

Figure J

ASR Registration Search

Registration 1028916[Map Registration](#)**Registration Detail**

Reg Number	1028916	Status	Constructed
File Number	A0034324	Constructed	01/01/1997
EMI	No	Dismantled	
NEPA	No		

Antenna Structure

Structure Type B - Building

Location (in NAD83 Coordinates)

Lat/Long	30-13-07.0 N 092-02-19.0 W	Address	444 CAJUNDOME BLVD
City, State	LAFAYETTE , LA		
Zip	70506	County	LAFAYETTE
Center of AM Array		Position of Tower in Array	

Heights (meters)

Elevation of Site Above Mean Sea Level	11.9	Overall Height Above Ground (AGL)	57.0
Overall Height Above Mean Sea Level	68.9	Overall Height Above Ground w/o Appurtenances	50.3

Painting and Lighting Specifications

None

FAA Notification

FAA Study	97-ASW-3070-OE	FAA Issue Date	11/07/1997
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Owner & Contact Information

FRN	Owner Entity Type
Owner	
LAFAYETTE, CITY OF	P: (318)265-2208
Attention To: CAJUNDOME CMSN GLEN HARRINGTON	F:
444 CAJUNDOME BLVD	E:
LAFAYETTE , LA 70506	

Contact

P:
F:
E:

Last Action Status

Status	Constructed	Received	09/02/1997
Purpose	New	Entered	09/09/1997
Mode	Mail In (Manual)		

Related Applications

09/02/1997 A0034324 - New (NE)

Comments

Comments

None

History

Date

Event

None

Automated Letters

None

CLOSE WINDOW

Figure K



Federal Aviation
Administration

<< OE/AAA

Form 7460-1 for ASN: 1997-ASW-3070-OE

Overview				
Study (ASN):	1997-ASW-3070-OE			
Prior Study:	1997-2071			
Status:	Determined			
Letters:				
Supplemental Form 7460-2:	Please login to add a Supplemental Form 7460-2.			
Received Date:	10/14/1997			
Entered Date:	10/14/1997			
Completion Date:	11/07/1997			
Expiration Date:	05/05/1999			
Sponsor Information				
Sponsor:	CAJUNDOME COMMISSION			
Attention Of:	GLENN HARRINGTON			
Address:	444 CAJUNDOME BLVD			
Address2:				
City:	LAFAYETTE			
State:	LA			
Postal Code:	70506			
Country:	US			
Phone:	318-265-2208			
Fax:				
Sponsor's Representative Information				
Representative:				
Attention Of:				
Address:				
Address2:				
City:				
State:				
Postal Code:				
Country:				
Phone:				
Fax:				
Construction Info				
Notice Of:	NONE			
Duration:	(Months: 0 Days: 0)			
Work Schedule:				
Date Built:				
Structure Summary				
Structure Type:	Other w/o Antenna			
Structure Name:				
FCC Number:	FCC ASR Registration			
Structure Details				
Latitude (NAD 83):	30° 13' 06.72" N			
Longitude (NAD 83):	92° 02' 19.43" W			
Horizontal Datum:	NAD 83			
Survey Accuracy:	4D			
Marking/Lighting:	None			
Other Description:				
Name:				
City:	LAFAYETTE			
State:	LA			
Nearest County:	Lafayette			
Nearest Airport:	LOURDES HELIPAD			
Distance to Structure:				
On Airport:	No			
Direction to Structure:				
Description of Location:				
Height and Elevation				
	Proposed DNE DET			
Site Elevation:	39			
Structure Height:	187 0 0			
Total Height (AMSL):	226 39 39			
Frequencies				
Low Freq	High Freq	Unit	ERP	Unit

Description of Proposal: INCREASE THE HEIGHT OF AN EXISTING ANTENNA
TOWER MOUNTED ON BUILDING; 453 AND 458975
MHZ @ 180 WATT SERP.