

ENGINEERING REPORT

Translator Application
Channel 286D, 105.1 MHz
El Dorado, AR

March, 2003

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Discussion

This firm has been retained to prepare the required engineering report in support of a new Translator Application for El Dorado, AR on Channel 286. The Translator will rebroadcast KYFL Monroe, LA, Channel 208. This proposal meets the requirements of the Rules.

It has been determined that the translator may be used in the area without interference to any existing FM broadcast station. A copy of the FCC Form 349 Tech Box Worksheet has been included in **Exhibit 1.0**. This represents the actual technical information as filed with the FCC in the recent Translator Window. A copy of the allocation has been included for this translator has been included as **Exhibit 1.1**. A copy of the vertical placement of the antenna on the proposed tower has been included as **Exhibit 2.0**. The proposed Translator Coverage area has been depicted in **Exhibit 3.0**. **Exhibit 3.1** of this report is a map showing the relationship of the primary station protected contour to the protected contour of the translator station.

The proposed facility will meet the requirements of the Rules for operation without a licensed operator in attendance. The transmitter site should be reached promptly at all hours and in all seasons. The transmitter should be equipped with proper control and interface circuits which will place the translator in a non-radiating condition in the event the proper incoming signal is absent. The transmitter and controls should be placed in a locked area to prevent unauthorized tampering with the equipment. A person or persons should be assigned to observe the signals of the station each day, and to take corrective action if required. The equipment proposed for this operation is listed in the type-approved list of the Commission.

CERTIFICATION

I hereby certify, subject to penalties for perjury, that the contents of this Engineering Statement are true and accurate to the best of my knowledge and belief.

March 24, 2003

Munn-Reese, Inc.

By Wayne S. Reese
Wayne S. Reese, President

By Donald J. Baad
Donald J. Baad, Project Engineer

By Justin W. Asher
Justin W. Asher, Project Engineer

PO Box 220
Coldwater, MI 49036
517-278-7339

TECHNICAL SPECIFICATIONS

Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.

TECH BOX

1. Channel: _____

2. Primary Station:	Call Sign	City	State	Channel
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3. Delivery Method:

☐ Off-air ☐ Microwave ☐ Satellite ☐ Via _____ ☐ Other

4. Antenna Location Coordinates: (NAD 27)

_____° _____'	_____"	<input type="checkbox"/> N	<input type="checkbox"/> S	Latitude
_____° _____'	_____"	<input type="checkbox"/> E	<input type="checkbox"/> W	Longitude

5. Antenna Structure Registration Number: _____

☐ Not applicable ☐ FAA Notification Filed with FAA

6. Antenna Location Site Elevation Above Mean Sea Level: _____ meters

7. Overall Tower Height Above Ground Level: _____ meters

8. Height of Radiation Center Above Ground Level: _____ meters (H) _____ meters (V)

9. Effective Radiated Power: _____ kW (H) _____ kW (V)

10. Transmitting Antenna:

☐ Nondirectional ☐ Directional "Off-the-shelf" ☐ Directional composite

Manufacturer	Model
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Rotation: _____° ☐ No rotation

Degree	Value	Degree	Value	Degree	Value	Degree	Value	Degree	Value	Degree	Value
0		60		120		180		240		300	
10		70		130		190		250		310	
20		80		140		200		260		320	
30		90		150		210		270		330	
40		100		160		220		280		340	
50		110		170		230		290		350	
Additional Azimuths											

Exhibit 1.1 - Translator Allocation

Munn-Reese Inc.
Coldwater - MI 49036

Translator Site Check - Channel 286D - 105.1 MHz

BBN - El Dorado AR

REFERENCE	CH# 286D - 105.1 MHz, Pwr= 0.25 kW, HAAT=80.2 M, COR= 133 M	DISPLAY DATES
33 06 10 N	Average Protected F(50-50)= 11.59 km	DATA 03-01-03
92 33 25 W	Ave. F(50-10) 40 dBu= 39.7 54 dBu= 16.8 80 dBu= 3.6 100 dBu= 1.1	SEARCH 03-05-03

CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kw) HAAT(M)	COR(M) INT(km)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
287C2 Monroe	KLIP«	LIC LA	CN	147.6 327.6 BLH19930510KB	32 33 08 92 08 33	50.000 132	155 75.3	49.7 New South Communications,	-14.56<	5.83
285A Crossett	KAGHFM	CP AR	CN	86.3 266.3 BPH19940314IC	33 08 05 91 56 49	6.000 100	135 43.7	28.3 Ashley County Broadcasters	1.72	11.94
285A Crossett	KAGHFM	LIC AR	HN	86.3 266.3 BLH7794	33 08 05 91 56 49	3.000 84	127 33.2	22.3 Ashley County Broadcasters	12.25	17.98
283A Camden	KMGC	LIC AR	NCN	332.2 152.2 BLH19941201KA	33 30 14 92 48 38	3.000 100	149 2.3	24.2 Jade Communications, Inc	36.51	25.04
288A Haynesville Coordinates updated from LIC record	ALLO	VAC LA		256.1 76.1 BLH841005CR	32 58 47 93 08 38	6.000 100	0 2.8	28.3	42.16	27.10
288A Warren	KWRFFM	LIC AR	CN	37.7 217.7 BLH7115	33 37 59 92 03 51	3.000 81	135 2.1	21.9 Pines Broadcasting Inc.	60.89	51.61
285C3 Jonesboro From Channel 285A Per D84-231	KTOCFM	LIC LA	NCN	189.2 9.2 BLH19960605KD	32 13 28 92 43 27	8.000 75	136 41.0	26.4 Willis Broadcasting Corpor	46.11	55.47

"«" = Station meets FCC minimum distance spacing for its class. "<" = Contour Overlap

MUNN-REESE, INC.

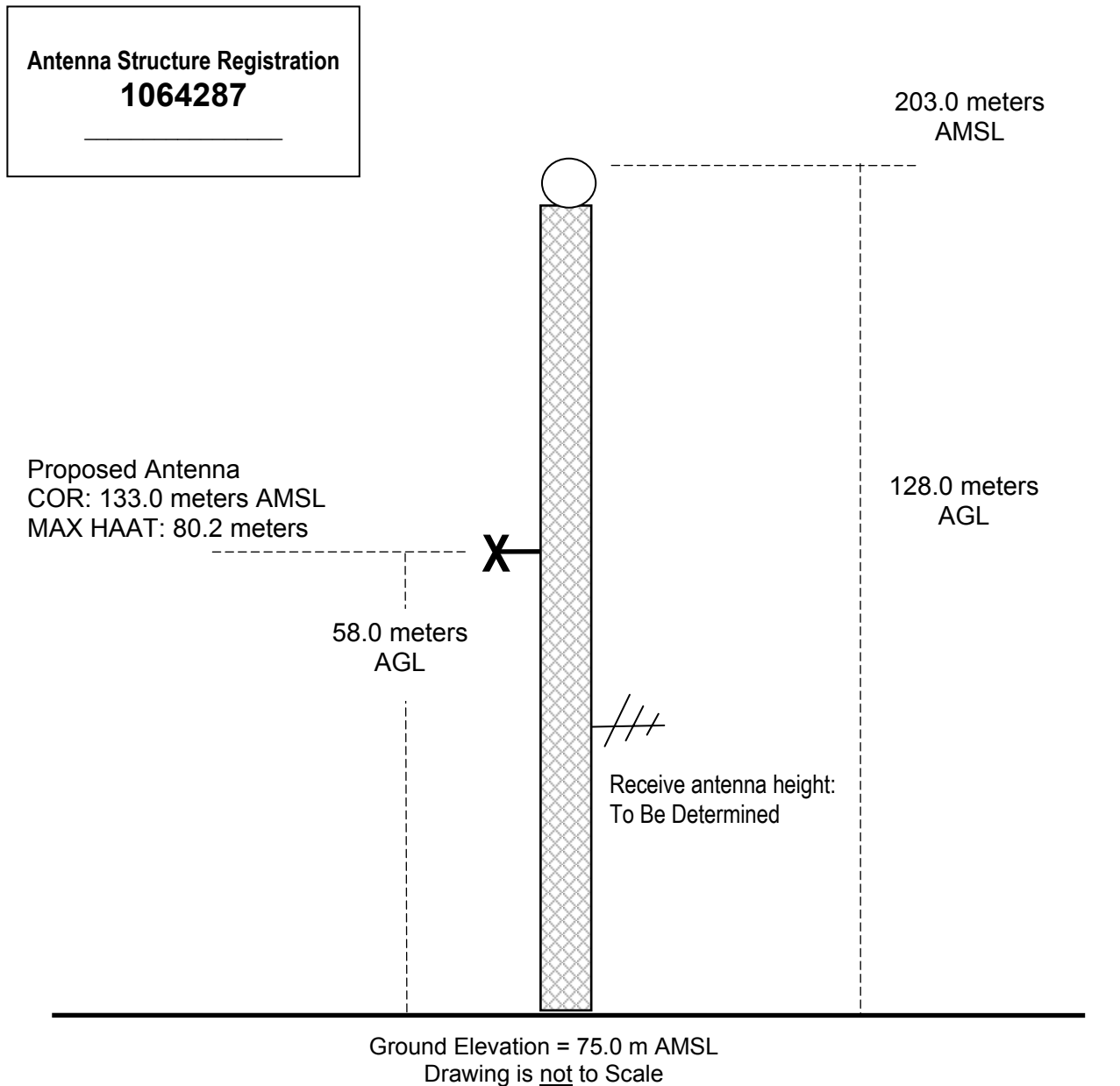
Broadcast Engineering Consultants
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EXHIBIT 2.0

VERTICAL PLAN OF ANTENNA SYSTEM

This station will rebroadcast KYFL, Monroe, LA.

Site Location
NL: 33° 06' 10"
WL: 92° 33' 25"



BBN-XI.A

El Dorado, AR
Latitude: 33-06-10 N
Longitude: 092-33-25 W
ERP: 0.25 kW
Channel: 286
Frequency: 105.1 MHz
AMSL Height: 133.0 m
Horiz. Pattern: Omni

**Exhibit 3.0
Coverage Map**

BBN-XI.A

F(50-50) 60.0 dBu

Union

Strong

Junction City

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Scale 1:250,000

0 3 6 9 km

V-Soft Communications ® ©

Spearsville

