

Engineering Statement

April, 2016

in support of

FCC Form 302-FM

Application license to cover shared auxiliary transmitter facility

KMYT, Rayville, LA
KZRZ, West Monroe, LA
KNNW, Columbia, LA
KXRR, Monroe, LA

Permit File #: BXPB-20130415AAG
Permit File #: BXPB-20130415AAH
Permit File #: BXPB-20130415AAJ
Permit File #: BXPB-20130415AAI

licensed to:

MAPLETON LICENSE OF MONROE, LLC

prepared by:

Michael Patton & Associates
Baton Rouge, Louisiana
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Narrative Statement:

MAPLETON LICENSE OF MONROE, LLC, licensee of KMYT, KZRZ, KNNW, and KXRR, holds the construction permits listed above for a shared ("N+1") auxiliary transmitter site using one frequency-agile transmitter and a one-bay antenna at its studio location at 1200 N 18th St. Suite D, in Monroe, LA. Mapleton has engaged my firm, Michael Patton & Associates, to prepare the instant applications for the licenses for this shared auxiliary facility. This Engineering Exhibit and narrative statement is being filed in support of FCC Form 302s to cover all these construction permits. The facility has been constructed in accordance with each of the construction permits; this exhibit provides the details.

Operating Parameters (both horizontal and vertical are the same):

Parameter:	KMYT:	KZRZ:	KNNW:	KXRR:
Frequency (MHz):	92.3	98.3	103.1	106.1
Authorized Effective Radiated Power (kW):	.069	.069	.055	.069
Antenna power gain (from BEXT's published specs):	0.46	0.46	0.46	0.46
Efficiency of coax cable (158 ft of Andrew LDF4-50A):	0.794	0.788	0.783	0.780
Transmitter power required to make authorized ERP (kW):	0.189	0.190	0.153	0.192

The antenna used is a BEXT TFC2K-1, single bay, circularly-polarized antenna, side-mounted on an existing tower.

Special Operating Conditions Statement:

In the instant Construction Permits, two special operating conditions are listed. Here is Mapleton's response to these conditions:

KMYT, KZRZ, KNNW, and KXRR will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

Each of the instant Construction Permits has a Special Operating Condition requiring that measurements be made showing that simultaneous operation of all stations licensed to use this shared antenna will not cause spurious emissions above the limits specified in 47CFR Section 73.317 (b) through (d), a standard requirement for a shared antenna. However, this condition does not apply to this "N+1" auxiliary facility, as, since there is only one transmitter, only one station can be on-air from this facility at any given time. Therefore, no showing of this type is appropriate, nor is one submitted here.

Conclusions:

This shared auxiliary transmitter facility has been constructed in accordance with all the terms and conditions of the relevant Construction Permits. The instant applications have been carefully prepared. Mapleton License of Monroe, LLC, hereby requests that they be granted licenses for this facility for all the stations involved.

Respectfully submitted, this 6th day of April, 2016



George Michael Patton

Affidavit of Engineer:

State of Louisiana)
Parish of East Baton Rouge)
City of Baton Rouge)

I, George Michael Patton do affirm and swear to the following:

--I am a consulting radio broadcasting engineer with four decades of experience in building radio broadcast facilities, and that I have submitted many applications to the Federal Communications Commission for broadcast construction permits and licenses;

--I am the holder of a Professional Broadcast Engineer certification, issued by the Society of Broadcast Engineers, certificate #50988, which expires on January 1st, 2020;

--I held a First Class Radiotelephone License from 1976 until 1987, when it was replaced by a lifetime General Class Radiotelephone license (PG-8-15595), issued by the Federal Communications Commission on March 18th, 1987;

--I declare, under penalty of perjury, that the instant engineering exhibits were prepared by me, and that the statements contained therein are true and correct to the best of my knowledge and belief.

Sworn to this day, April 6th, 2016



George Michael Patton