



News from the offices of Munn-Reese February 2019

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The Munn-Reese Coverage Map

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Contact Bruce Bellamy Bruce@Munn-Reese.com 517-278-7339 Ext. 101

WSMR-AP
Sarasota, FL
Proposed
Latitude: 27-09-03 N
Longitude: 82-27-51 W
ERP: 50.00 kW
HAAT: 130.0 m
Channel: 206
Frequency: 89.1 MHz
ANSL Height: 131.0 m
Elevation: 3.0 m
Hoop. Pattern: Omni
Vert. Pattern: No
Prog Model: Longley/Rice
Climate: Cont temperature
Conductivity: 0.0040
Dens: Const: 15.0
Refractivity: 333.0
Receiver Ht AG: 15.5 m
Receiver Gain: 0 dB
Time Variability: 50.0%
St. Variability: 50.0%
ITR Mode: Broadcast

Note:
Signal Strengths less than 60 dBu are considered secondary and may be subject to interference.
Predicted signal strengths are based on the use of a vertical receiving antenna 1.5 meters above ground level. This is believed to represent the real world parameters used by many listeners.

Legend:
■ > 70.0 dBu
■ 60.0 - 70.0
■ 50.0 - 60.0
■ 40.0 - 50.0
■ 30.0 - 40.0

Predicted Longley-Rice Coverage
WSMR (Appl) - Sarasota, FL

Munn-Reese, Inc.

Thumbs Feebleman does Rodney

I get no respect, no respect at all.
The FCC closed and the FCC Digest quit coming.
I went crazy and had to re-sort my bread bag wrap tie collection. No respect! No respect!
My transmitter doesn't respect me either!
It was giving me the silent treatment.
I stopped by to see why it hadn't paged me in weeks.
I opened the back door and there was some other guy's screwdriver in there! Some guy named Craftsman, wait till I get my hands on him!!! No respect!
(with admiration and due respect to Rodney, Thumbs)

Rick Grzebik & Gary Harding receive the Carl E. Lee Engineering Award



Rick Paul Grzebik (left) and Gary Harding (right) will be honored March 5 at The Great Lakes Media Show during the Exhibitor Reception! [Read More](#)

Satellite “C Band” Registration & Microwave Frequency Coordination



Munn-Reese can help you with all your Part 74 Frequency Coordination and Licensing needs. For straight answers about STL or RPU systems and licensing requirements contact Rick Grzebik via email at Rick@Munn-Reese.com or 517-278-7339 ext 108



Brag A Little!!

Just a quick note to

Munn-Reese now has two engineers that have received, The Carl E. Lee Broadcast Engineering Excellence Awards. Ed Trombley was presented his award in 2010 at the MAB Great Lakes Media Show. At Munn-Reese you get years and years of experience to help tackle today's broadcast engineering needs.

New Procedure Tower ASR Ownership Transfers starts 2/14/19

On February 14, 2019, the FCC will revise its Antenna Structure Registration System (ASR) to put into place a new process for reporting changes in ownership of towers and other structures registered in the system. Related changes will be made to FCC Form 854, Antenna Structure Registration, on the same date. To implement these changes, the ASR online system will be unavailable as of 6:00 a.m. on February 14, 2019, until approximately 10:00 a.m. on the same day. The changes described below will be effective when the ASR system comes back online. [DA-19-69](#)

Building out a Translator? Avoid the tar pit in the 350 / 349 forms.

Translators are a different animal than their part 73 cousins. With a part 74 translator, the application process is similar to a part 73 filing except you must build out with what you have applied for on the construction permit. The Antenna

type and other items can be changed only with an amendment application. If it ends up being a minor change application then the FCC filing fee is waived. The center of radiation can float up two meters or down four meters. The feed line and transmitter power output can be adjusted to produce the correct ERP.

While, with a part 73 applications, as long as the effective radiated power (ERP) and the Antenna Center of Radiation (COR) remain unchanged any combination of power, feed line, or antenna can be substituted.

For part 74, if you can come up with a gain value just about any bent up coat hanger can be licensed by calling it an omni-directional antenna.

If your unlucky and you have ended up with a major change application you also get to pay that \$835.00 filing fee to the FCC again.

TV RESCAN ASSISTANCE at the FCC Consumer Help Center

WASHINGTON, February 4, 2019. The Federal Communications Commission today announced the launch of a special call center dedicated to helping viewers of over-the-air television rescan their TVs during the ongoing transition of local TV channels to new frequencies following the Commission's broadcast incentive auction.

Viewers may reach the call center toll-free by dialing 1-888-CALLFCC (1-888-225-5322) and pressing

“6” to speak to a help desk representative. The call center is staffed from 8:00 a.m. to 1:00 a.m. Eastern time, seven days a week, to enable consumers throughout the country to obtain assistance during evening and weekend hours. [DOC-356045](#)

Posting of your FCC License has changed.

The FCC has deleted the rules in part 73 and part 74 that required the station license to be nailed to the wall or kept in a 3 ring binder at the control point. A well needed word of caution here from Thumbs. The chief operator still needs to know what the licensed operating parameters are. It can be an FM station or a 12 tower AM directional array. Contract engineers come and go like the seasons. Sometimes assumptions are made and they are made wrong. I have seen numerous times where an AM station with a directional array does a partial proof to tuck the pattern back in. Sometimes a monitor point gets moved. The License gets modified by the FCC but the copy never makes it to the transmitter building wall. Contract engineers trade places. The new guy sees the array on the wrong operating numbers. He then calls ET for help only to find, it's all right where it belongs. Then the engineer goes digging for the new license that never made it to the wall. It no longer needs to be posted, but it still needs to be the correct copy of the license in the engineer's hand. [FCC-18-174](#)

FCC Chairman Ajit Pai gets a letter from the House

Democrats. The Chairman of the FCC Ajit Pai was, in basic terms, chastised for his decision on Net Neutrality. He was also told to expect more finger-wagging now that the Democrats are in control. Do a Google search and form your own opinion. Here is the letter from the House Committee on Energy and Commerce. [Letter](#)

LED Tower Lights + Night Vision + FAA is Set to Play Hide & Seek

The FAA Has Published an Amendment to AC70/7460-1L

AC70/7460-1L is the FAA book on lighting and marking obstructions in air space. The amendment is regarding LED Tower lights. We see with our eyes nice bright red led lights on towers. But, it has come to the attention of the FAA that pilots using night vision goggles for air rescue and air ambulance can't see the new LED tower lights. Looking through the night vision units the towers appear dark.

The amendment to AC70/7460-1L, Change: 2, August 17, 2018, states that after September 6, 2018, all new LED tower lights will have to include some kind of infrared generating system. Currently installed LED lighting systems will be grandfathered. But, it also explains, using the "Readers Digest version", "These guidelines are not mandatory; they do not constitute a regulation (**what, not a Regulation?**); but will be studied on a case-by-case basis, as required." Read that to say, if your tower is in a flight path where night vision

goggles usage makes your tower a hazard, you will comply.

Thumbs is very curious how, with all the testing and training required on power plant, airframe, repair personnel, and pilots, this night vision problem would slip by the FAA regulations.

It will be a safe bet that the price of LED light packages will be going up. It will also be a safe bet that the new LED lights with extra IR LED or heat-generating devices will not be as energy efficient.

Thumbs suggests, that with all caution, you make very sure all of your ASR information for each tower under your control is dead on!

The Best of The FCC Enforcement Actions

Connecticut Translator found Over Power

On October 10, 2018 and November 13, 2018, Agents of the Enforcement Bureau's Region One inspected the FM translator station. During the inspections, the agents observed the transmitter for the translator running 740 watts and not the 33 watts as listed on the license. A quick search for the station web page indicates this is a Spanish language station. Also, at the time of the inspection, the tower lights were not functional.

[DOC-356112](#)

18 years without a license! The FCC imposes a forfeiture of \$144,344, "jointly and severally", against the owners of a low-power television

station (LPTV) for operating unlicensed since 1998 and a failed license renewal in 2004. [FCC-19-2](#)

[False Radio Call on a Fire Frequency!](#) The FCC proposes a fine for a North Carolinian for Unauthorized Radio Communications and Impersonating Local Fire Department Personnel. [DOC-354508](#)

[What is Condition #4 on a Translator License??](#)

The owner of the translator gets a friendly reminder from the FCC why a license for the translator is important. In the same letter a reminder as to why the AM station must be on the air to comply with [Condition #4](#) on the station's instrument of authority.

The February, 2019 edition of the Munn-Reese Newsletter was written by Thumbs Feebleman and is published solely for the enjoyment of you, the reader.

The somewhat dull life of Thumbs Feebleman, FCC Theologian is extended only by your feedback, well maybe coffee, donuts and chocolate too.

Feed Back to: Thumbs@Munn-Reese.com

Thanks for Shopping at Munn-Reese

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