

EXHIBIT A
Mitchell County Public Radio LLC
12/16/2020
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WUGC-LP Pelham, Georgia

Please note that we entered 0.0 watts as the transmitter output power on the form as the application website said that the top could not be over 51 watts, but as you can see below we must have 61 watts top to produce the assigned .017 kilowatts of ERP. We are currently licensed to .015 kilowatts ERP and that requires 54 watts top, so the top has to be more than 51 watts.

We have attached, as Exhibit B, a pdf file copy of the LMS application webpage that shows we were not allowed to enter more than 51 watts top.

TRANSMITER POWER OUTPUT = 61 watts.

THE ERI 100A-1M HAS A POWER GAIN OF .42.

THE RFS LCF12-50J FOAM COAXIAL CABLE HAS AN INTERPOLATED LOSS OF .66 DB PER 100 FEET AT 102.7 MHz.

THE 273 FT OF RFS LCF12-50J COAXIAL CABLE HAS A LOSS OF 1.8018 DB FOR A LINE EFFICIENCY OF 66.04 PERCENT.

61 WATTS TOP X .6604 X .42 = 16.919448 WATTS ERP.

For more information contact:

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