

Setting power of TX

Like most other transmitters, there exists a means to adjust the transmit signal strength. On the LINX TXM-418-LC, the adjustment is realized by changing the resistor value from pin 4 to ground. This is shown in the Raven Industries schematic as R8. So a better way to describe the modification would be to say resistor R8 was changed to 750 ohms to adjust the signal strength to the proper level. This is a change that would be implemented in the manufacture of the product, not a user adjustable feature. Following this design modification, the testing was carried out to the worst case. The design of product was carried out to be the strongest signal possible without going over the limit. You can see the design guidelines for the LC series of transmitters at http://www.linxtechnologies.com/docs/f_prod.html. It includes a graph of the possible resistor values.