ESTIMATION OF NEAR GROUND PATH LOSS FOR WIRELESS SENSOR NETWORKS

OVERALL ASSESSMENT

This was a very interesting paper, in which you validate the currently used models for estimating the path loss, and derive your own model.

Very nice that you do measurements and use that for validating the different models. But since that's such a big part of your paper, shouldn't it be part of the title?

You need to be very careful about mixing the results section and the discussion section. In results, you should only place the results, and what you extract from those results/graphs should be put in the discussion section.

It seems like what you want to do is compare the measured data to the different models, and use that for deriving a new model which is more accurate.

You should focus some more on reasoning for why your model makes sense and why you have arrived at THAT model. Also, more page space could be spent on testing your model, instead of the others.

GENERAL COMMENTS

GC1: You should not have an appendix! An appendix is something that can be left out, and by only having 6 pages, why would you "waste" some of them with unnecessary things? Instead, you should move it to the results, as you have some interesting points in there.

GC2: More information about how you derived your model would be interesting, and some more information on how it performs. You can leave out some of the figures from your measurements and save them for validating your model.

GC3: Some more statistically, quantifiable data would be nice, so there are numbers to compare, and not just graphs.

GC4: You could change the labels on the x-axis of your figures, as it is a bit confusing with 10^0 to 10^1 meters. Just write 1, 2,3 m etc.

GC5: You should describe more what z is, since you use it that much.

GC6: The dB scale you use on your figure should be put relative to something. Is it relative to the transmit power? Consider flipping the sign (i.e. use gain instead of loss), so you get negative values.

GC7: Use the word *complicated* instead of *complex*.

SPECIFIC COMMENTS

See attached PDF with our comments.