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This is the readme file for the dataset supporting the article entitled "Energy-neutral Wireless-powered Networks", which has been accepted for the publication in IEEE Wireless Communications Letters.

Dataset DOI: <https://doi.org/10.5258/SOTON/D0928>

The dataset is for the following figures:

Fig. 2: Maximum distance R_{RF}^{max} vs. carrier frequency f of the RF source for varying G_T , where δ_{LoS} is 2.04 and G_R is 6dBi

Fig. 3a: E_R vs. R_{RF} for varying f (at 4W EIRP, LoS case)

Fig. 3b: P_R vs. RF source output power for varying f (at R_{RF} of 2.5m, LoS case)

Fig. 3c: k vs. Δ for varying f (at 4W EIRP, LoS and non-LoS cases where $\delta_{LoS} = 2.04$ and $\delta_{NLoS} = 2.94$ [12])

Date of data collection: from October 2018 - March 2019s

Information about geographic location of data collection: University of Southampton, U.K.

Related projects: Wearable and Autonomous Computing for Future Smart Cities - Platform Grant

Date that the file was created: May 2019