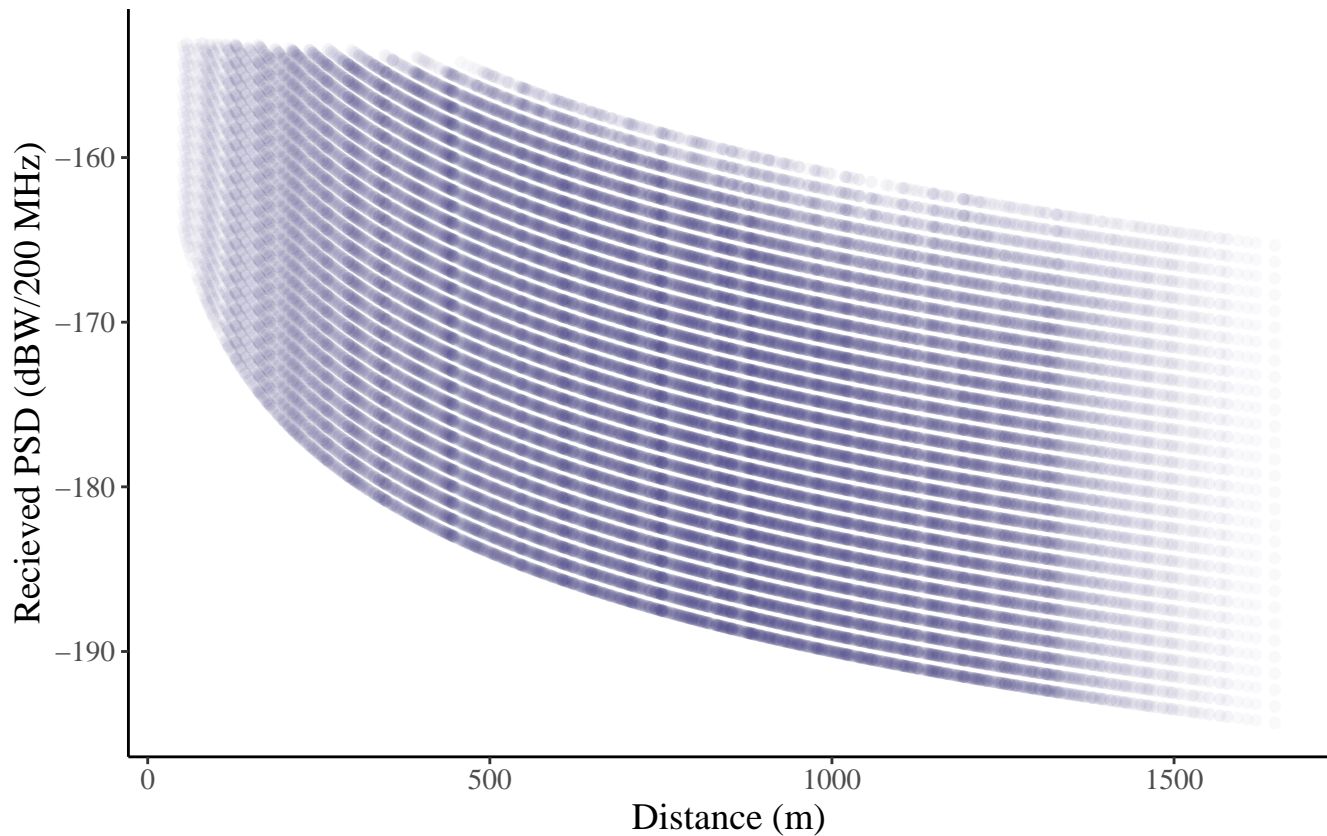Recieved PSD Over Distance Without Noise (All Input PSD)

Raw simulated data plotted before any added noise without the distance variable transformed.