

Fig.1. Measured data

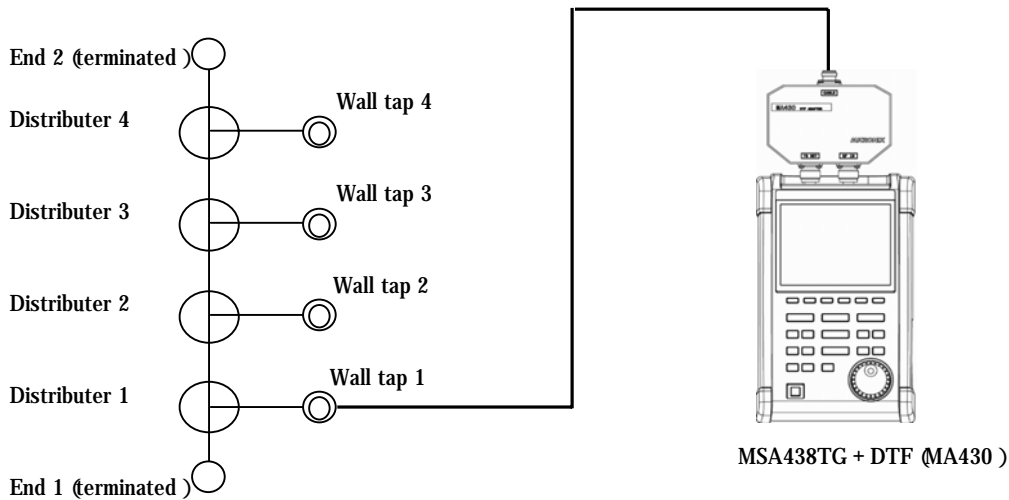


Fig.2. System diagram of the sham house wiring

The point of 1.44m corresponds to the distance between MA430 and the distributer 1. Similarly, the points of 2.89m, 3.96m and 5.52m correspond to the distributer 2,3 and 4. the point of 6.29m in terminated corresponds to the end 2, the level is low.

Some traditional TDR instruments can detect only end points as reflectin points, and they are no good at resolution of distance, and are not quick at the response of measurments. Compared with them, On the other hand, MSA438TG+DTF(MA430) achieves the high resolution and the quick response. Our DTF instrument can from 1m to 800m cable for 50 , so it corresponds the wiring (10to100m ),and the trunk line (200to800m) in a general hous and an apartment.