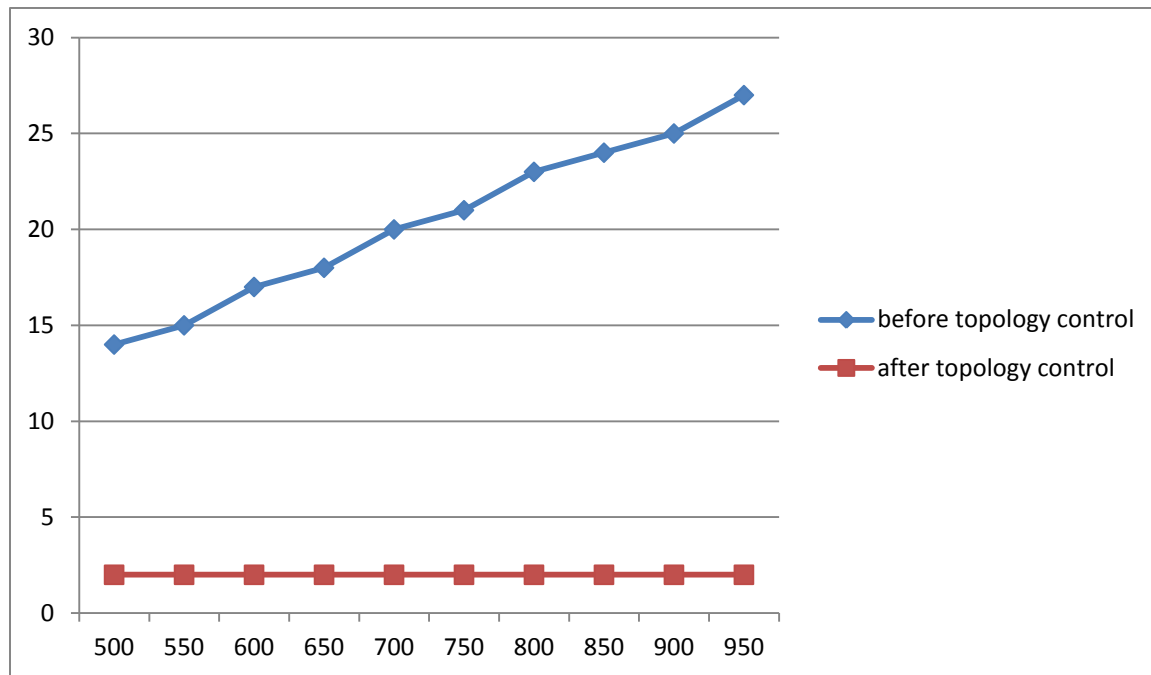
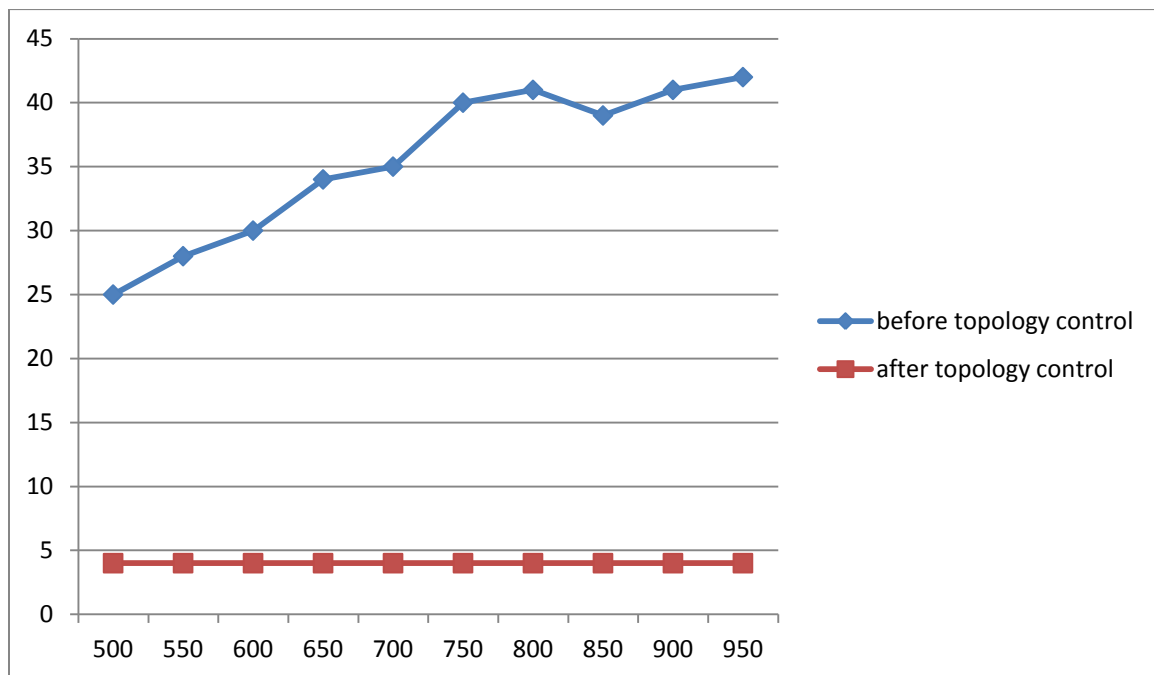


**Experiment One**

Average Degree Chart of Wireless Network



Max Degree Chart of Wireless Network

**Experiment Two**

Execution number	Path found?	Number of nodes passed by
1	Yes	5
2	Yes	9
3	Yes	11
4	Yes	9
5	No	
6	Yes	10
7	Yes	4
8	No	
9	yes	7
10	No	

**Experiment Three**

Execution number	Path found?	Number of nodes passed by
1	Yes	12
2	Yes	35
3	Yes	5
4	No	
5	No	
6	No	
7	Yes	12
8	No	
9	Yes	18
10	no	

I noticed that, although the graph after the function of topology control is lighter than the same graph without it, for those same reasons each node has less neighbors and it has less chance of finding a path to the node *t* that we want to find in compass routing. That is why in experiment three compass routing was less accurate than in experiment two, and if compass routing was successful it had to go through more nodes than in the graph without topology control.