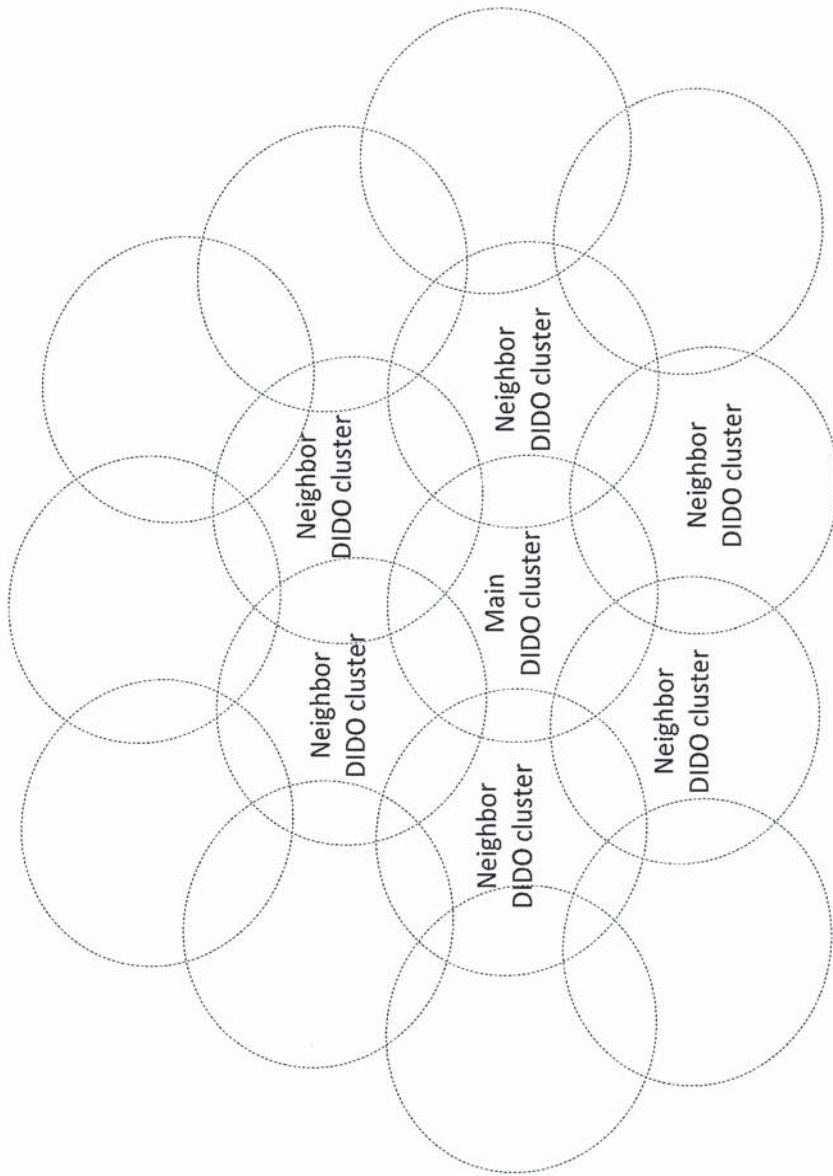
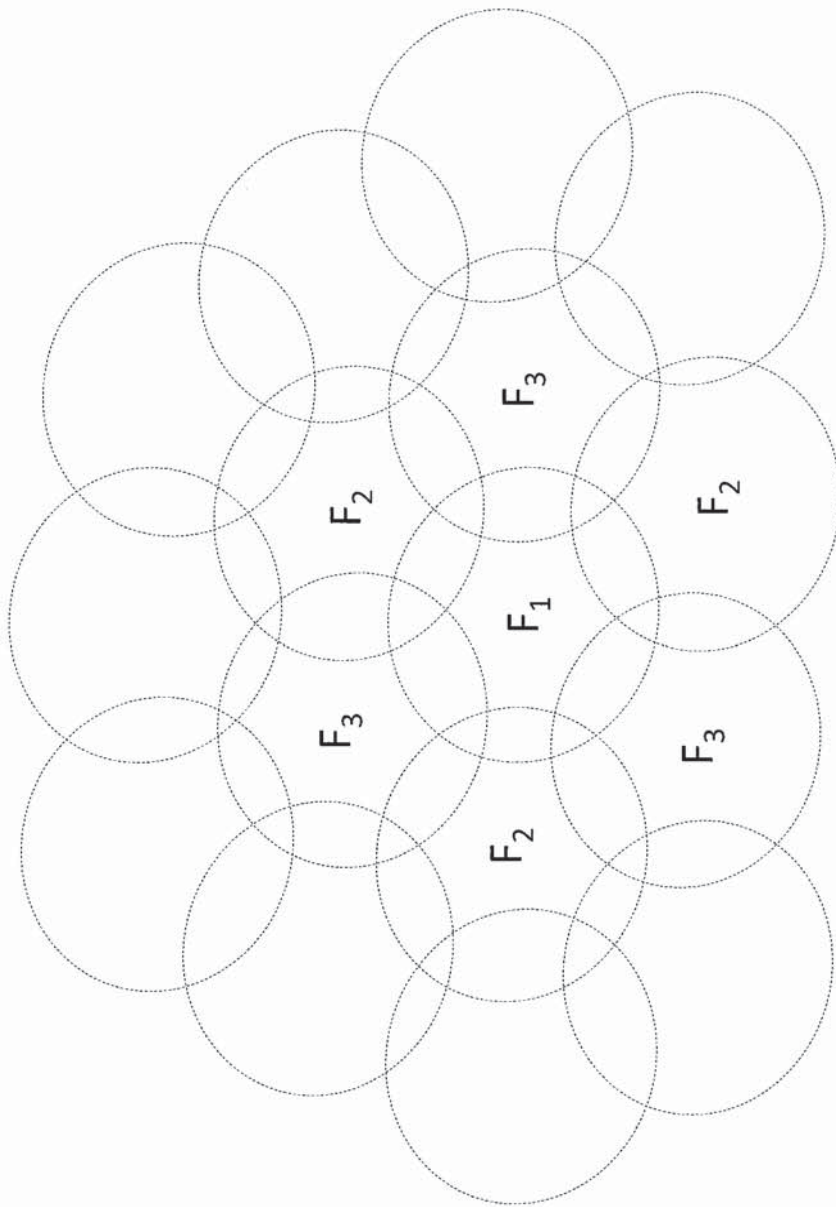
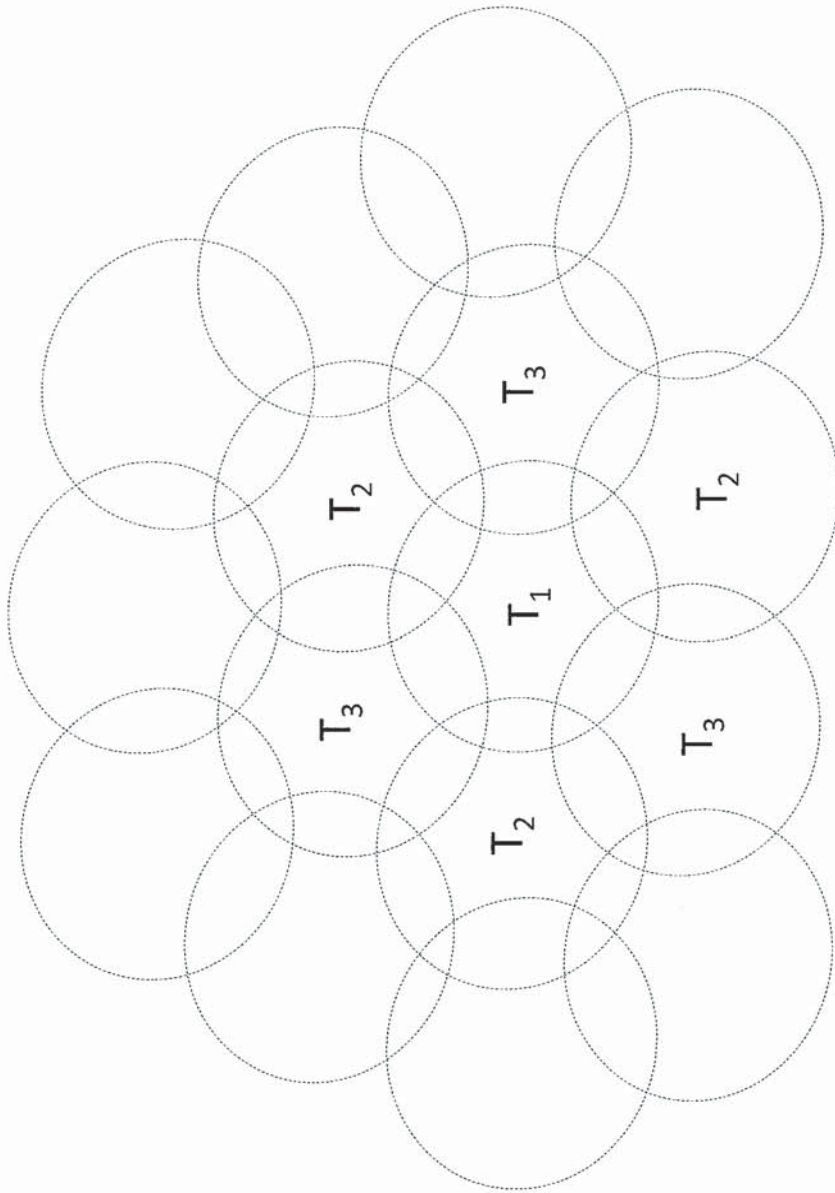
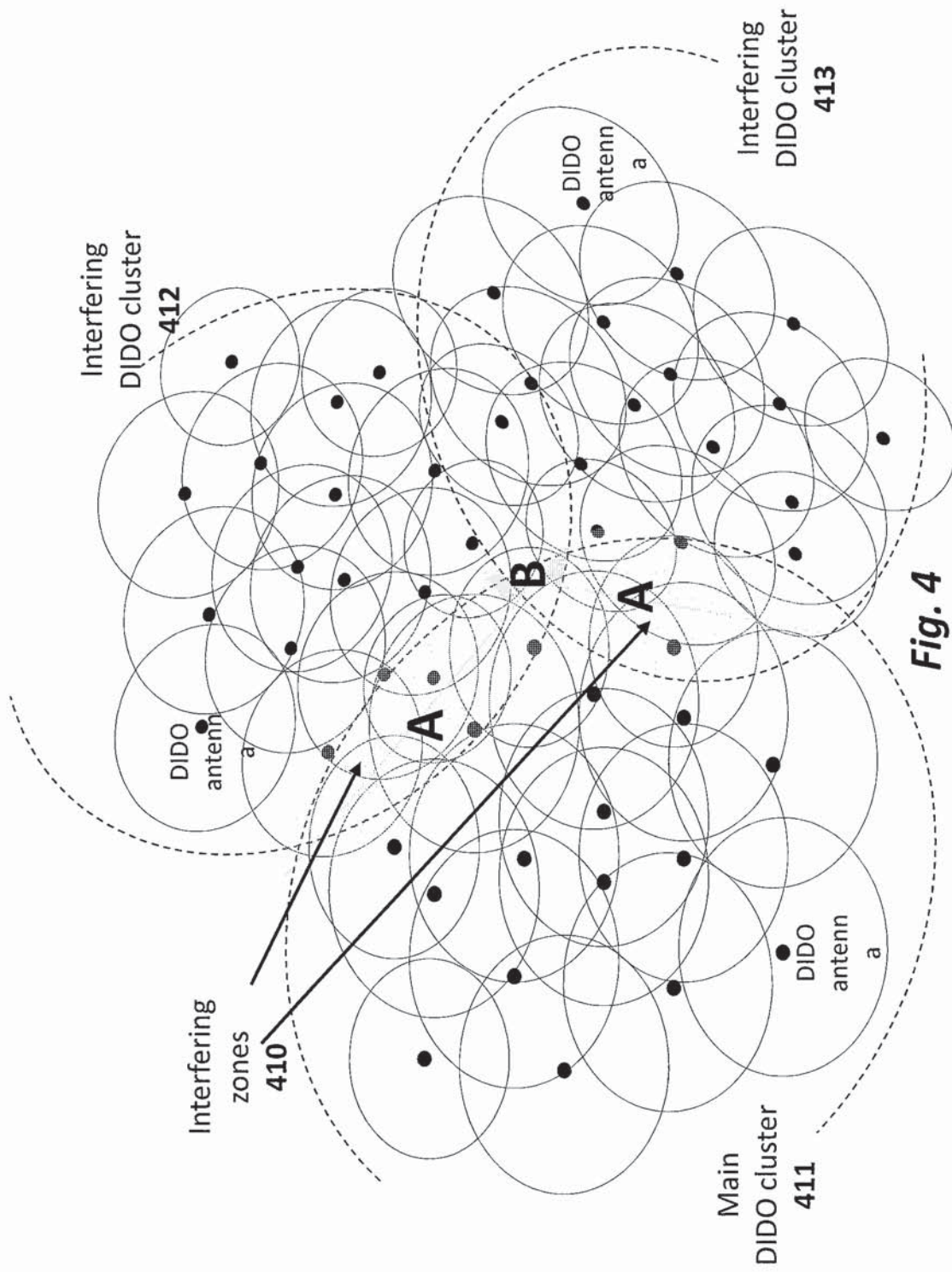
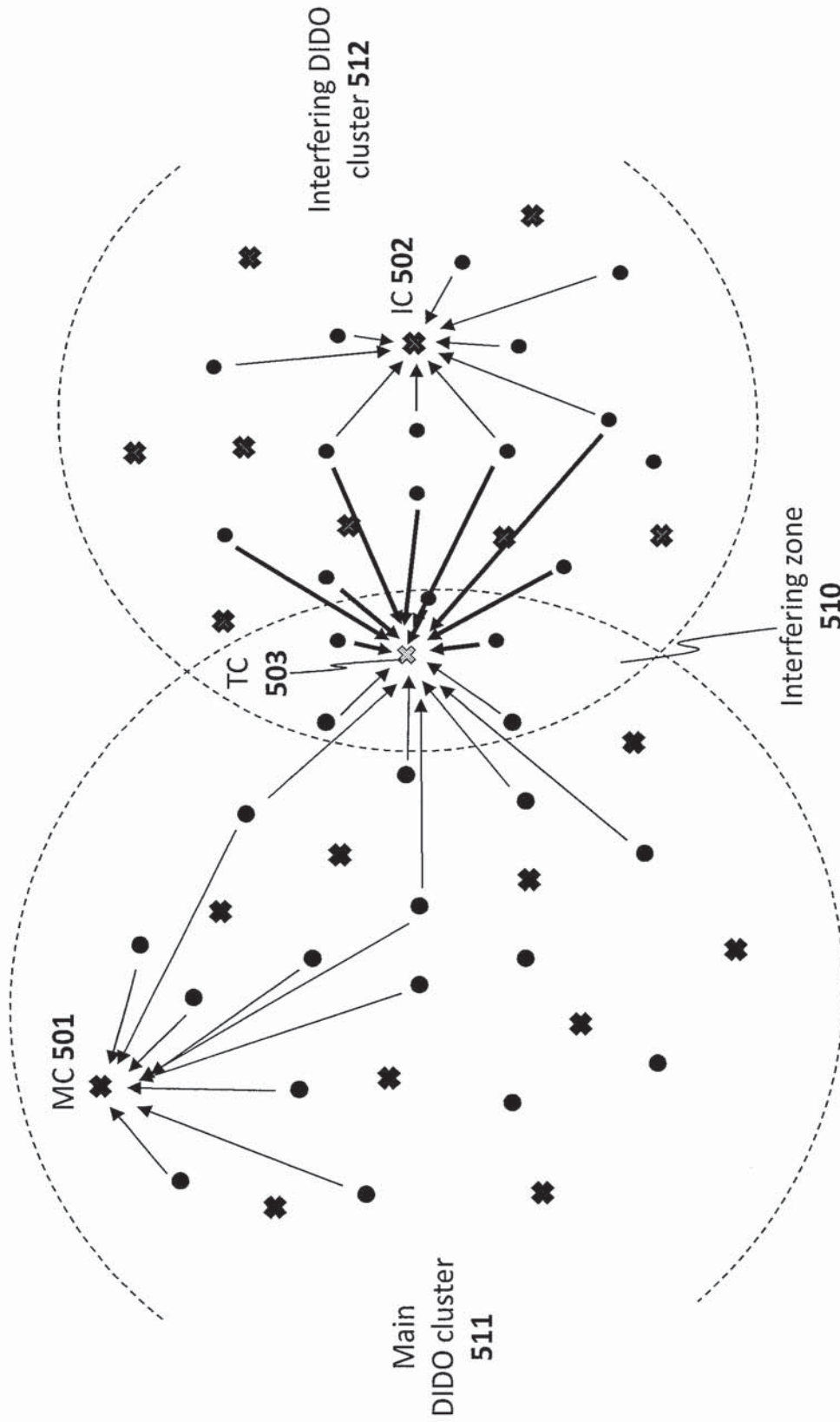


**Fig. 1**

**Fig. 2**

**Fig. 3**



**Fig. 5**

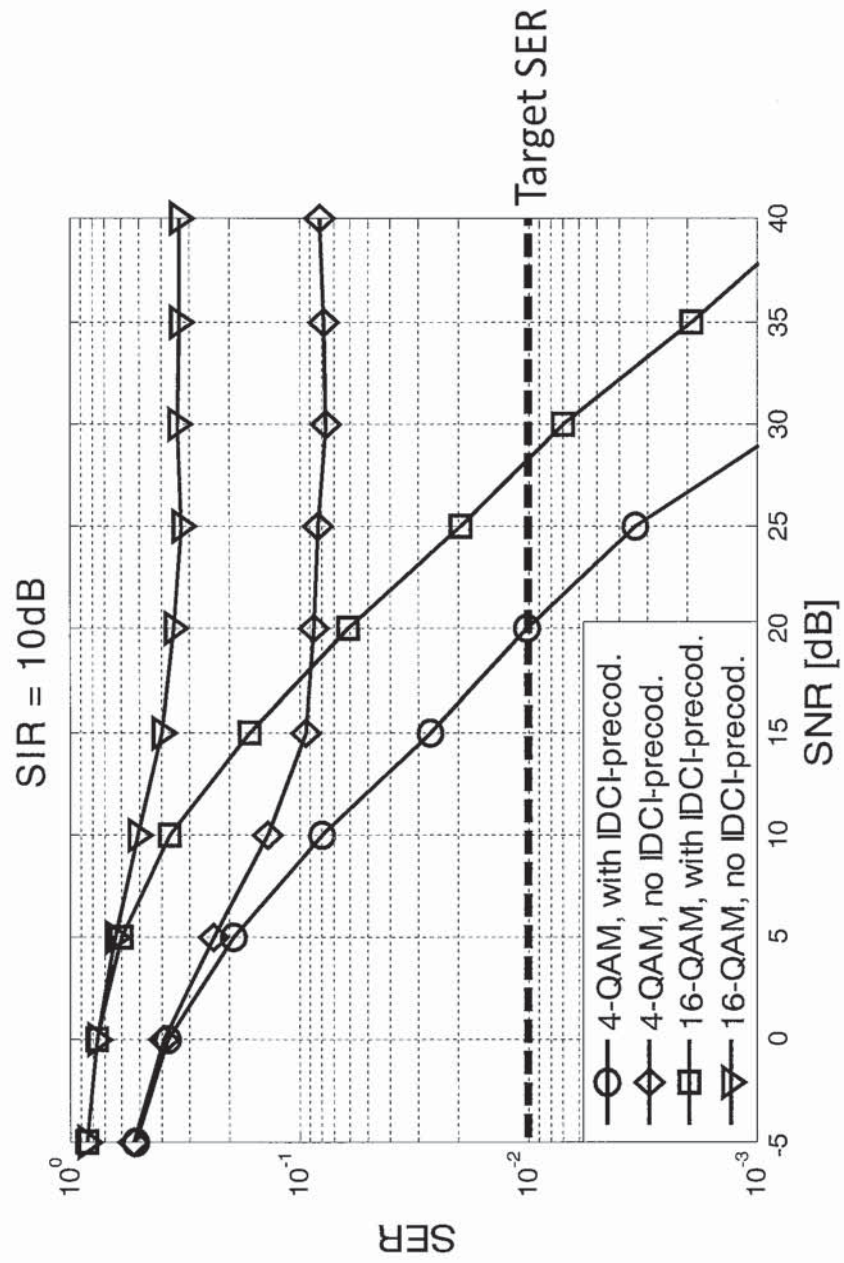


Fig. 6

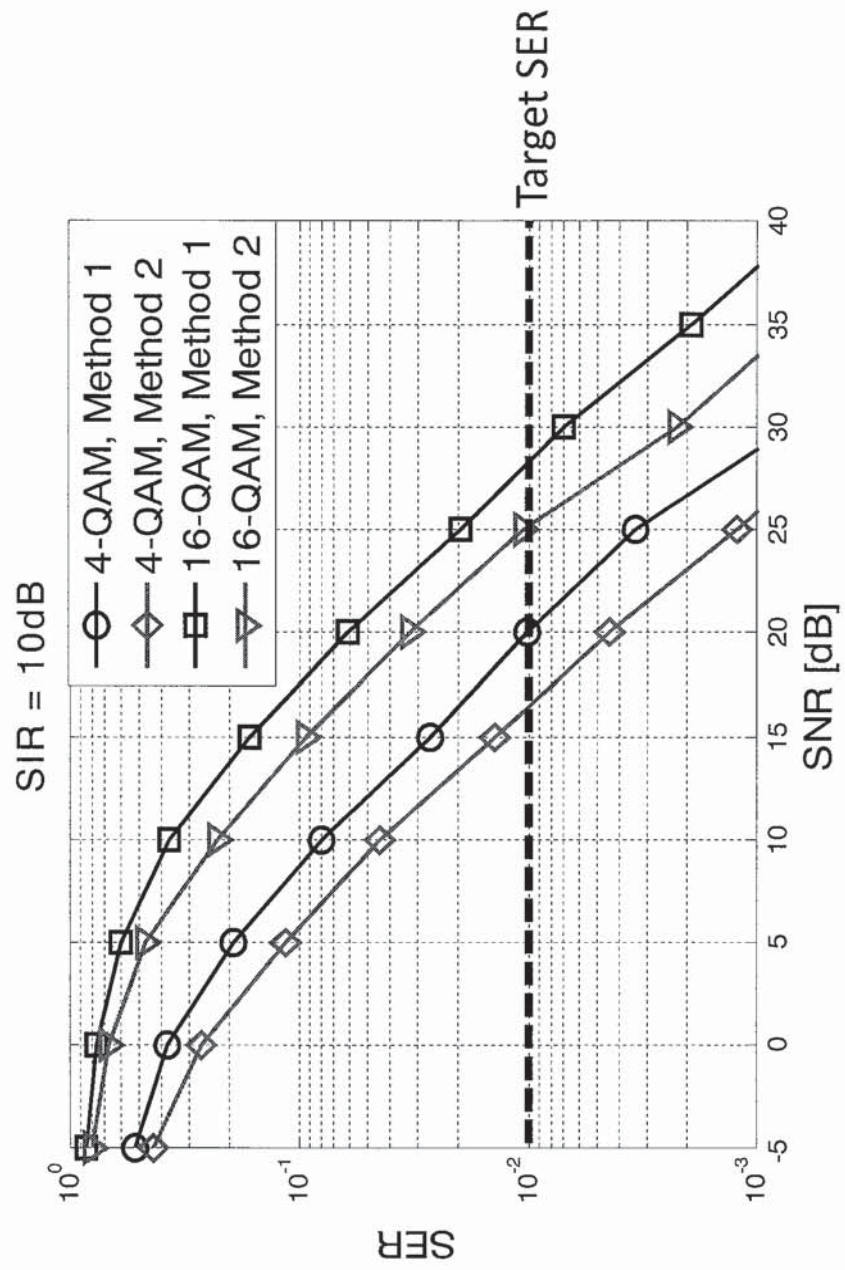
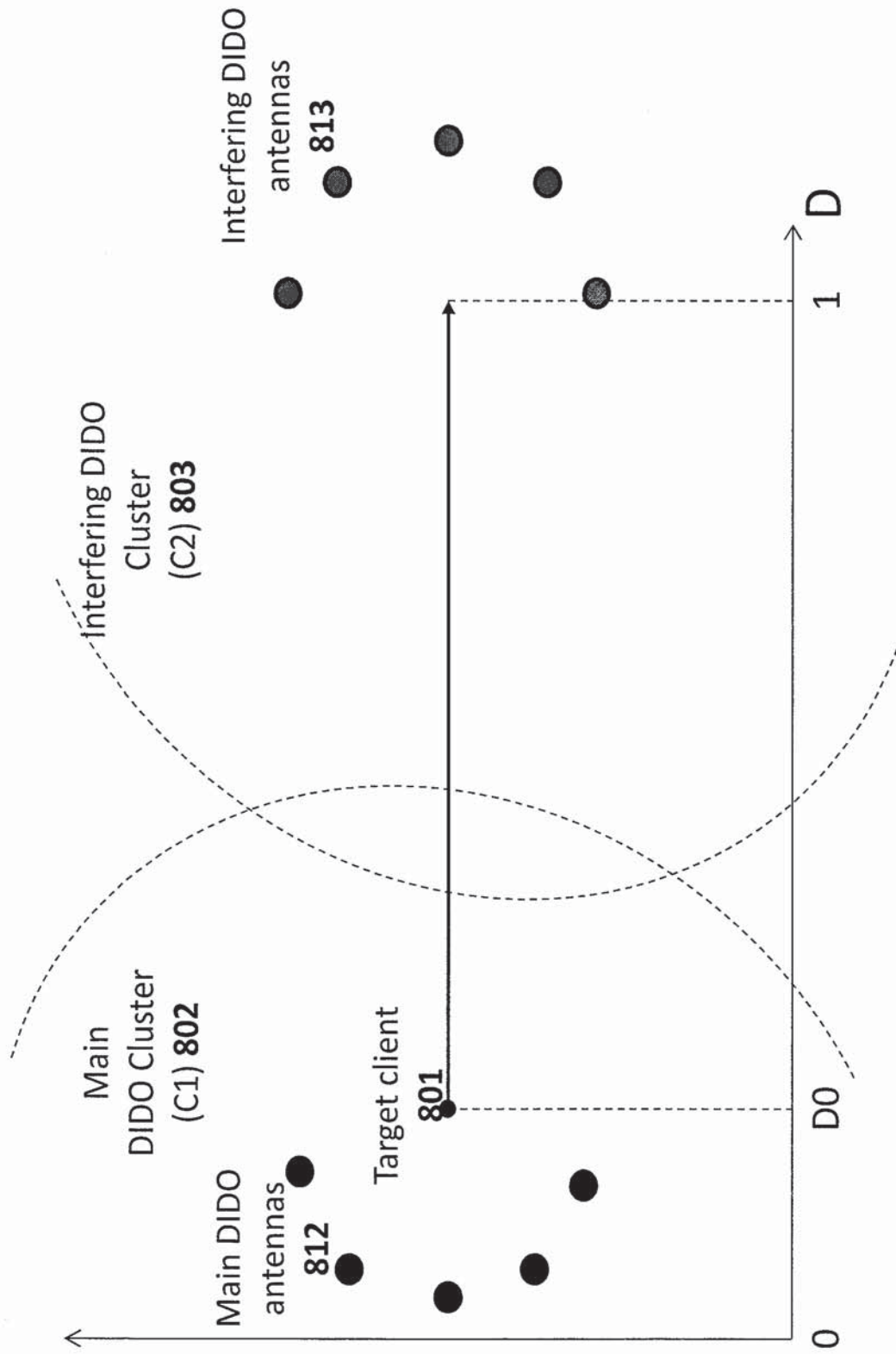


Fig. 7

**Fig. 8**

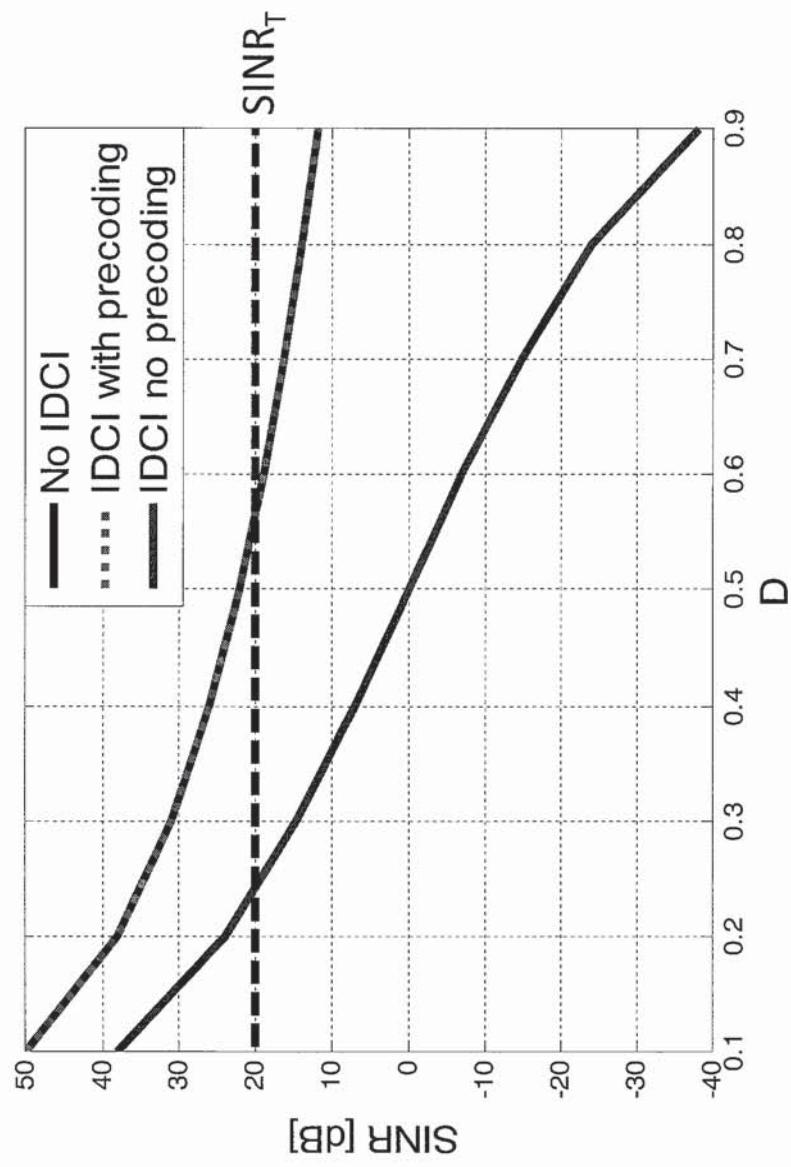
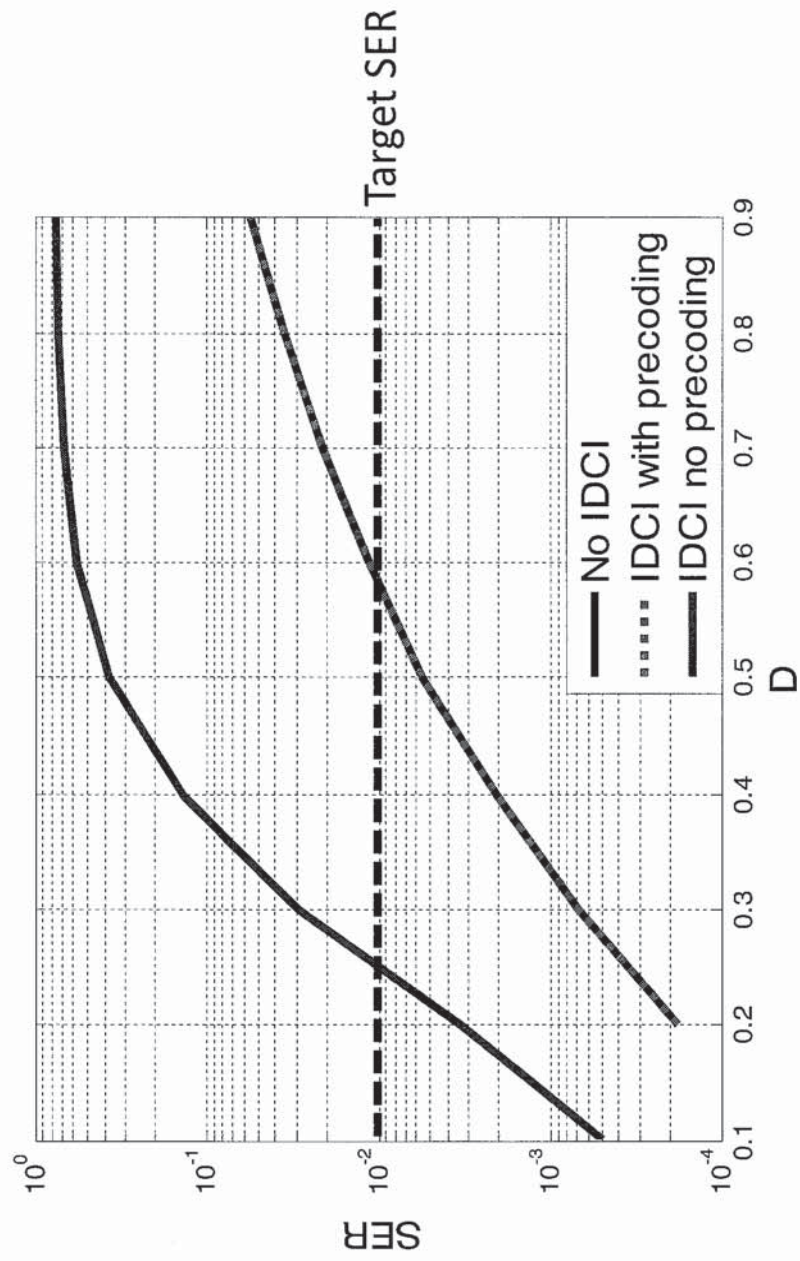
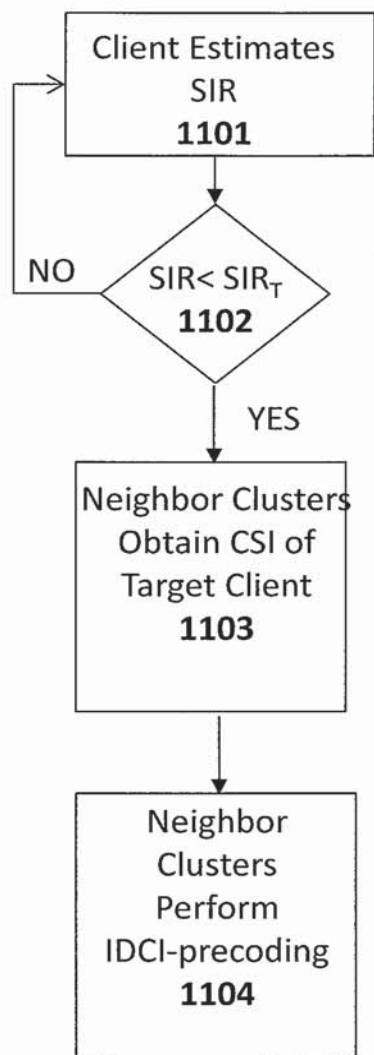


Fig. 9

**Fig. 10**

**Fig. 11**

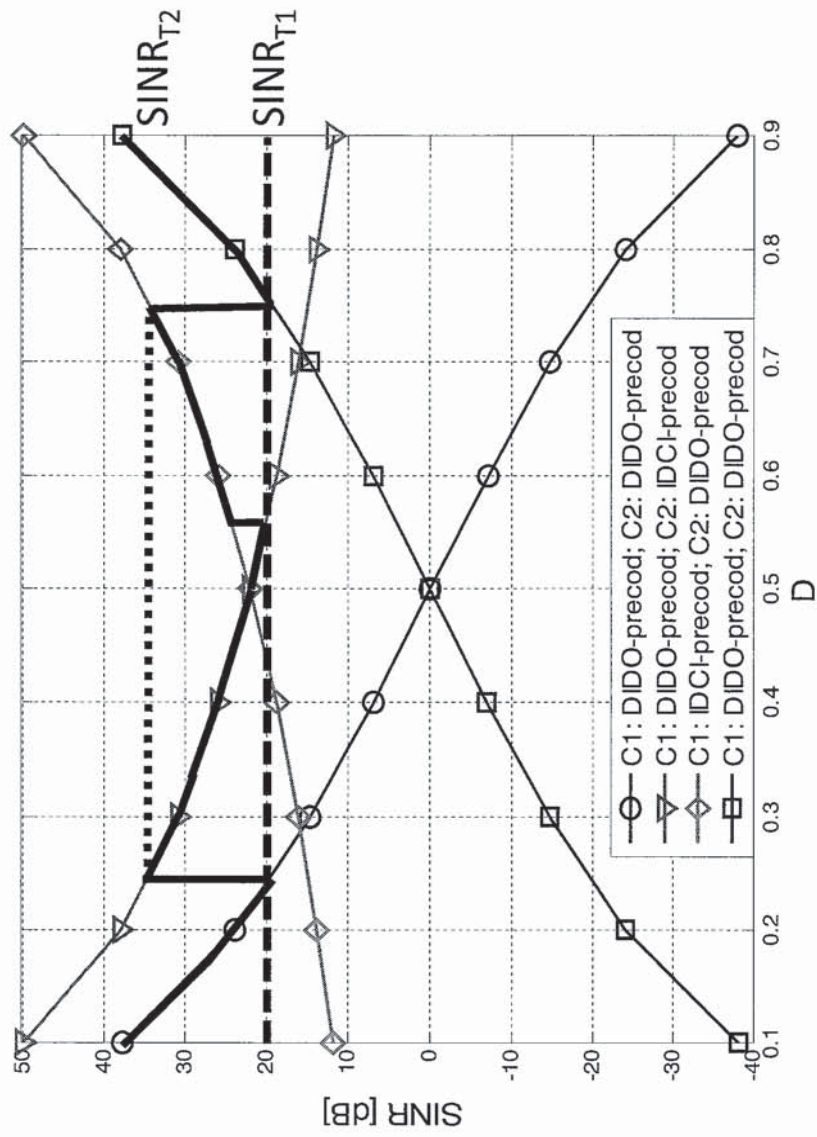


Fig. 12

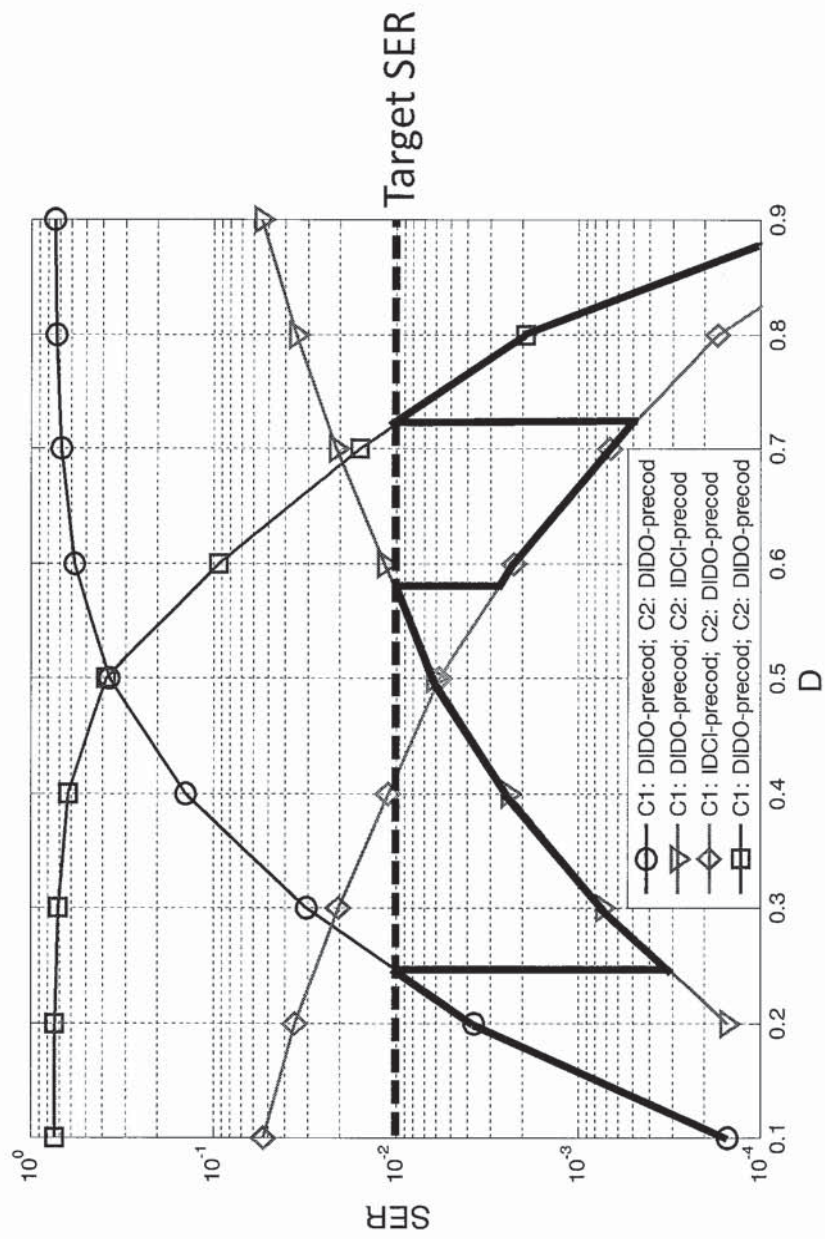


Fig. 13

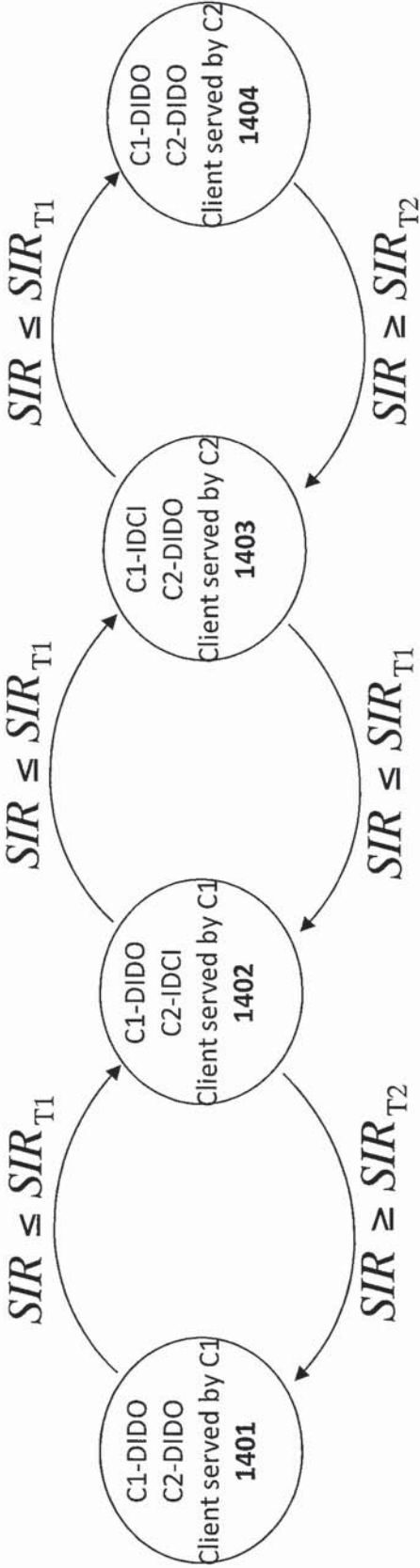


Fig. 14

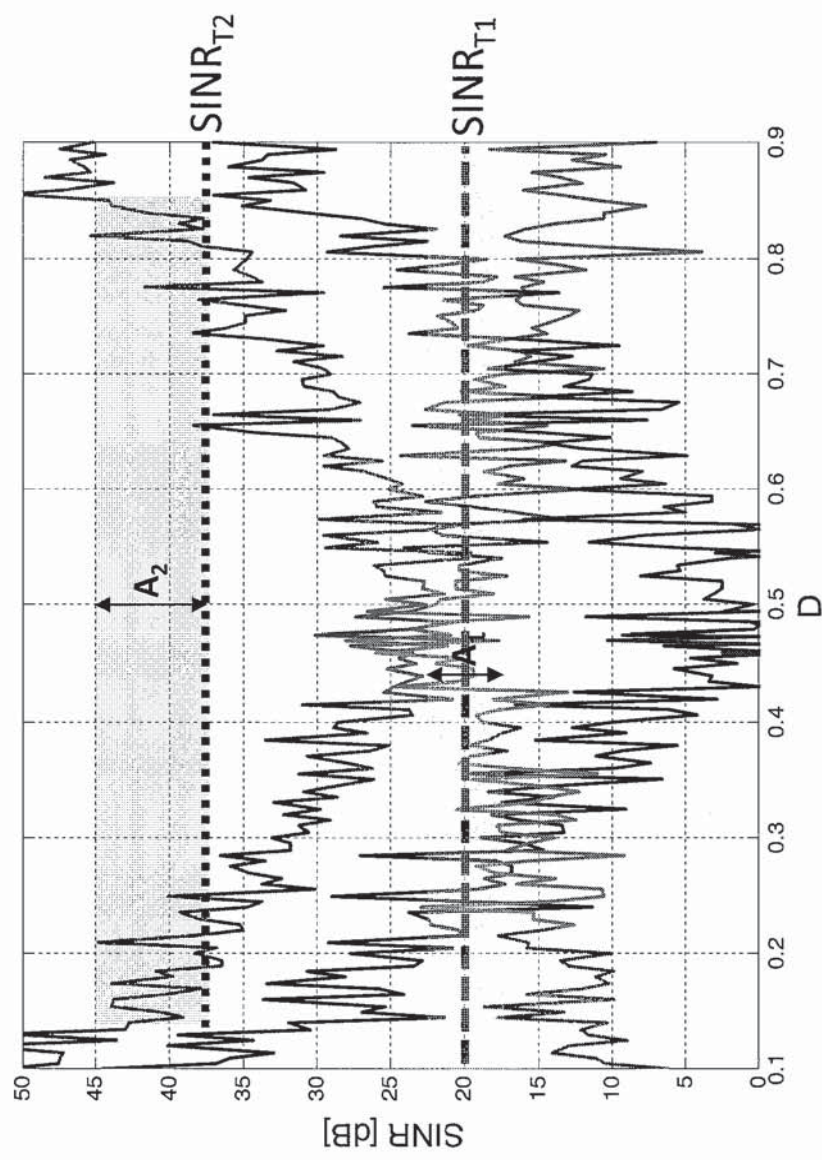


Fig. 15

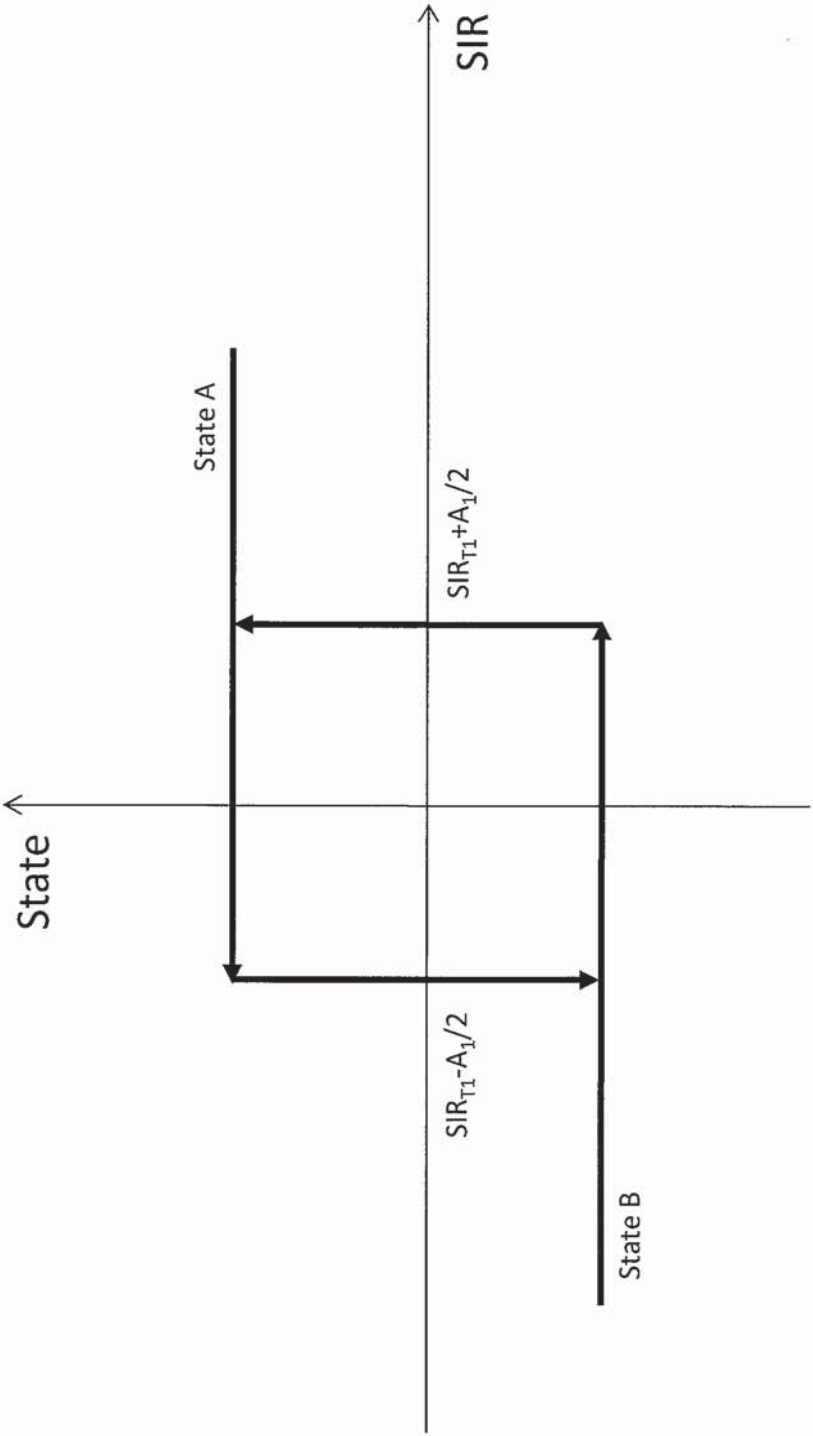


Fig. 16

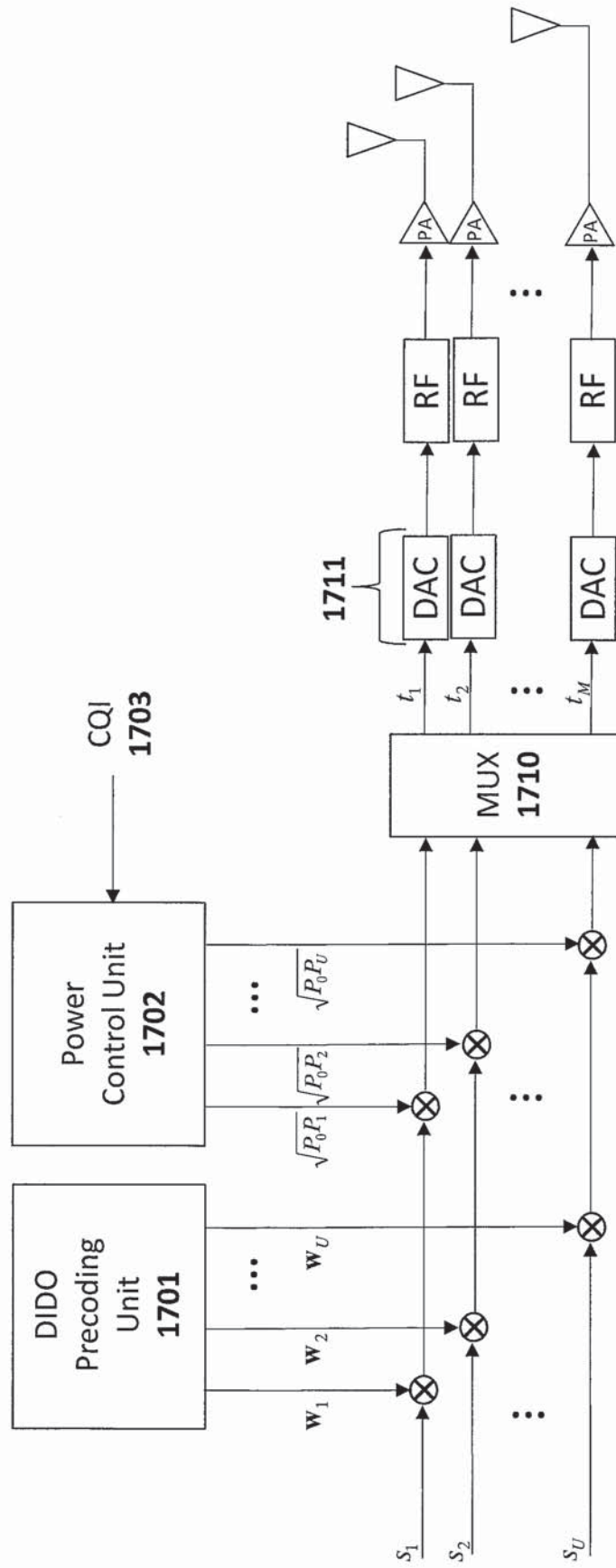


Fig. 17

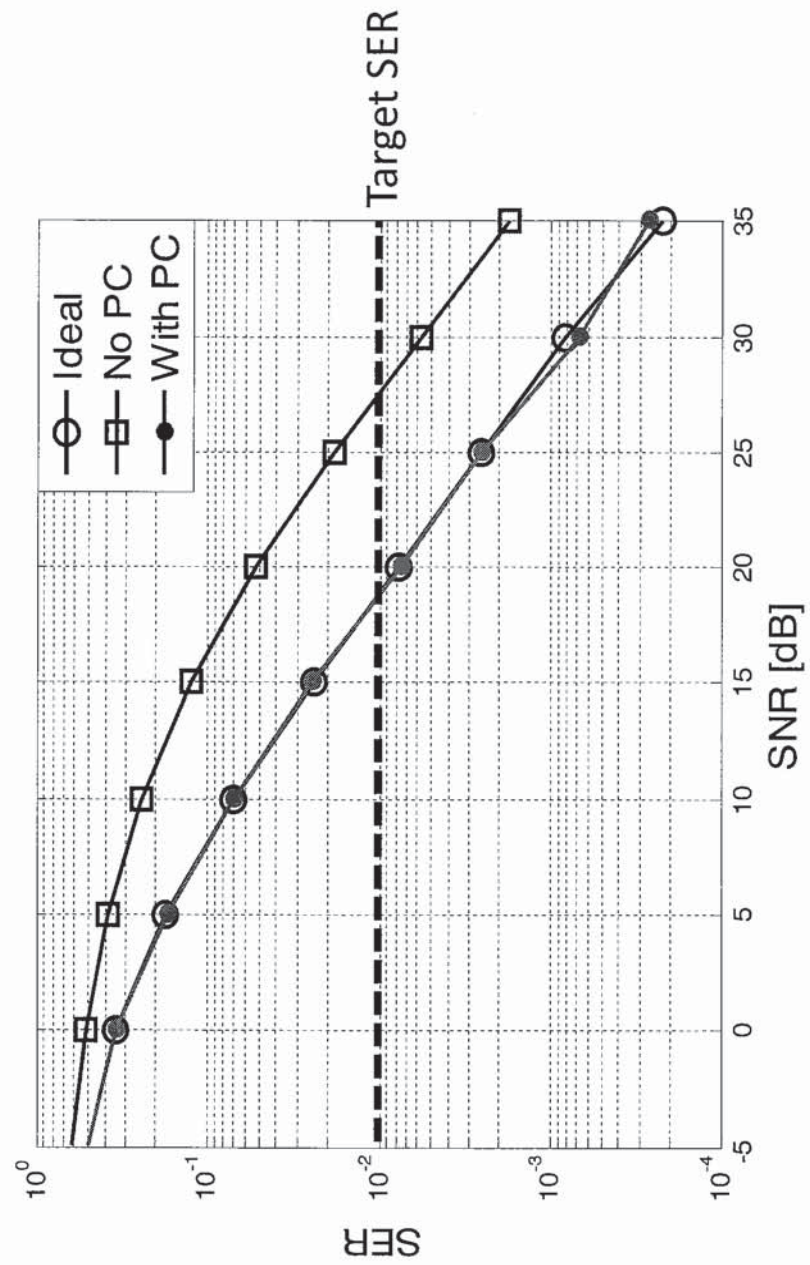


Fig. 18

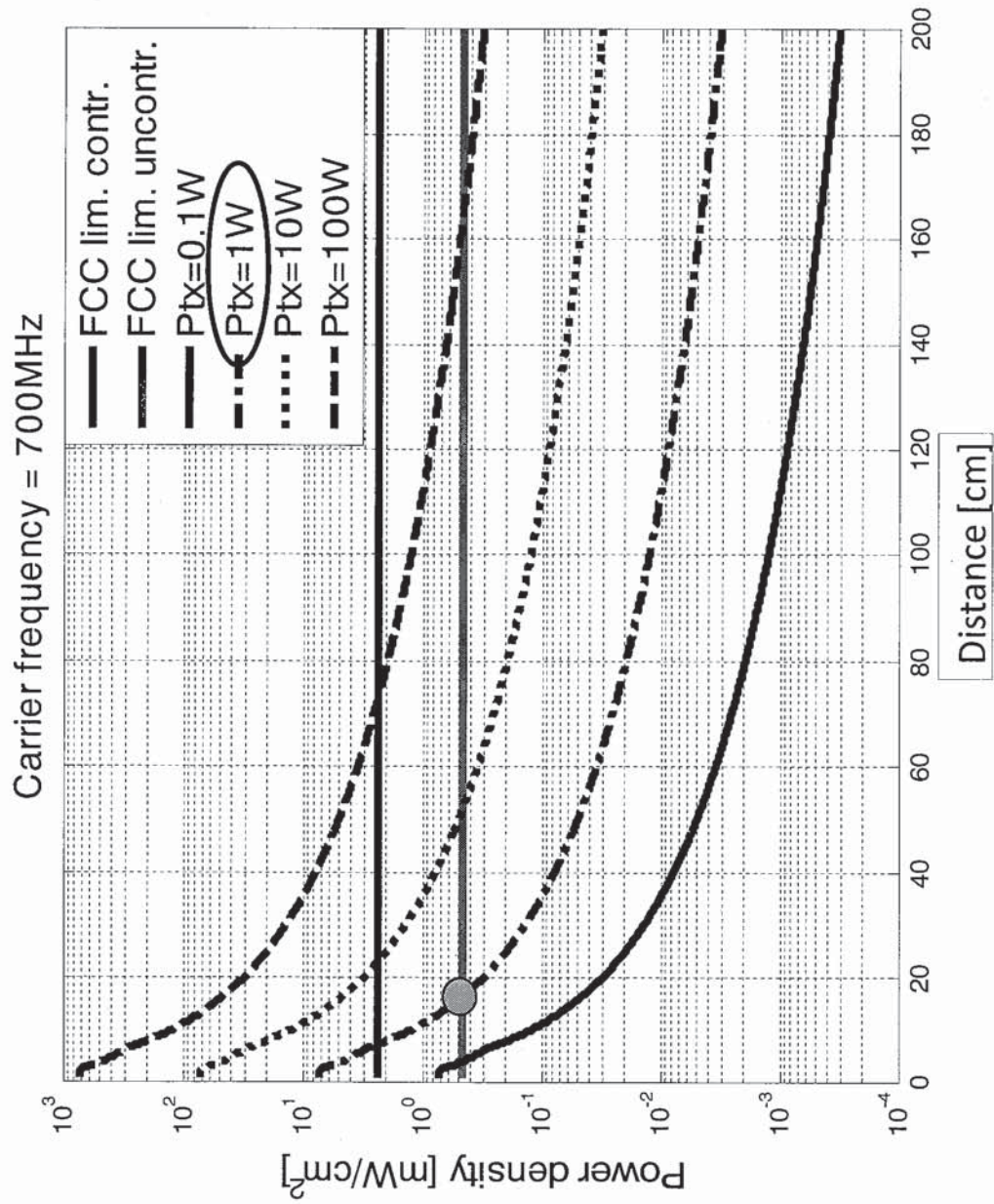


Fig. 19

$N_{HP}=50, N_{LP}=50$

DIDO

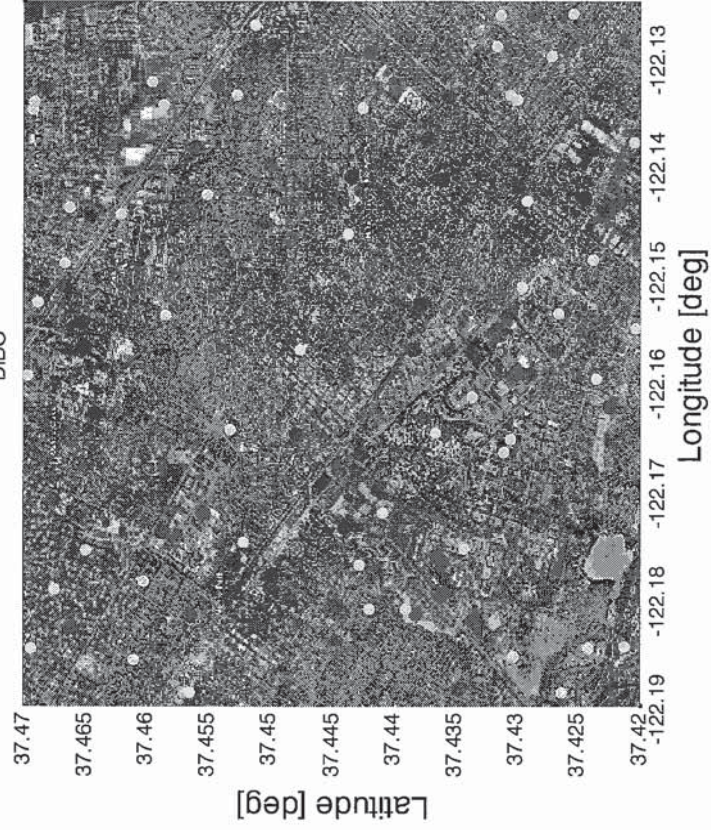


Fig. 20b

 $N_{HP}=0, N_{LP}=100$

DIDO

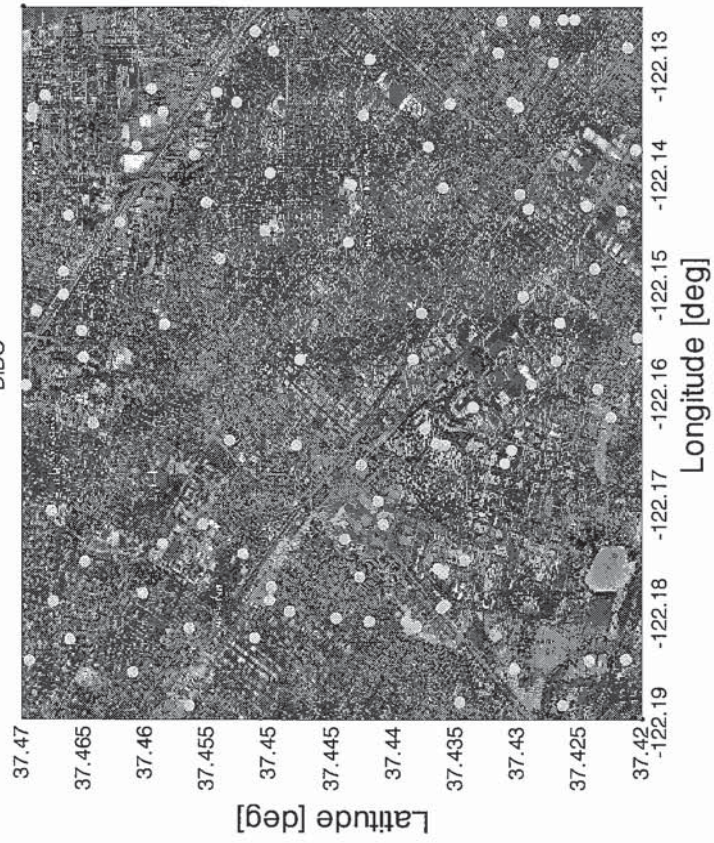
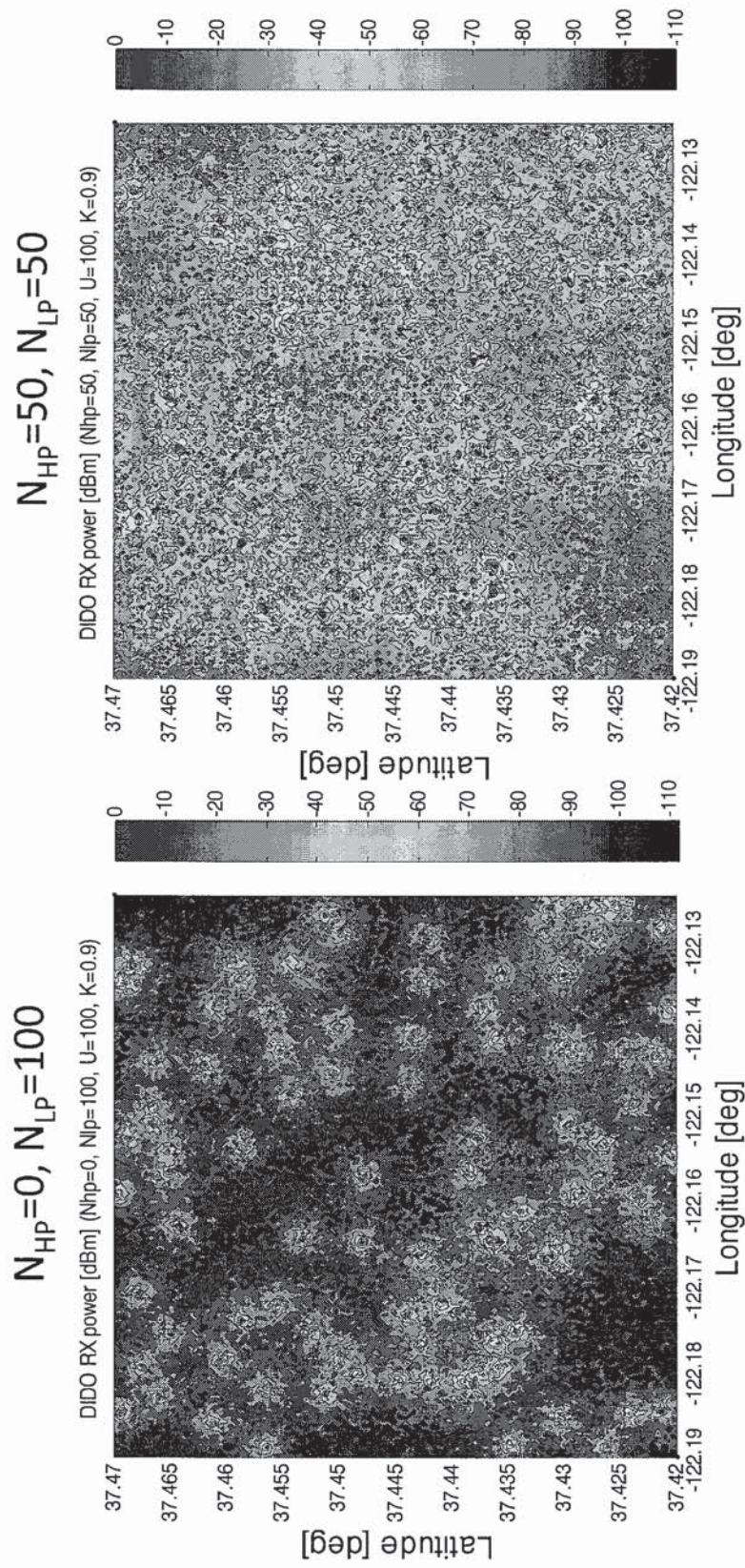
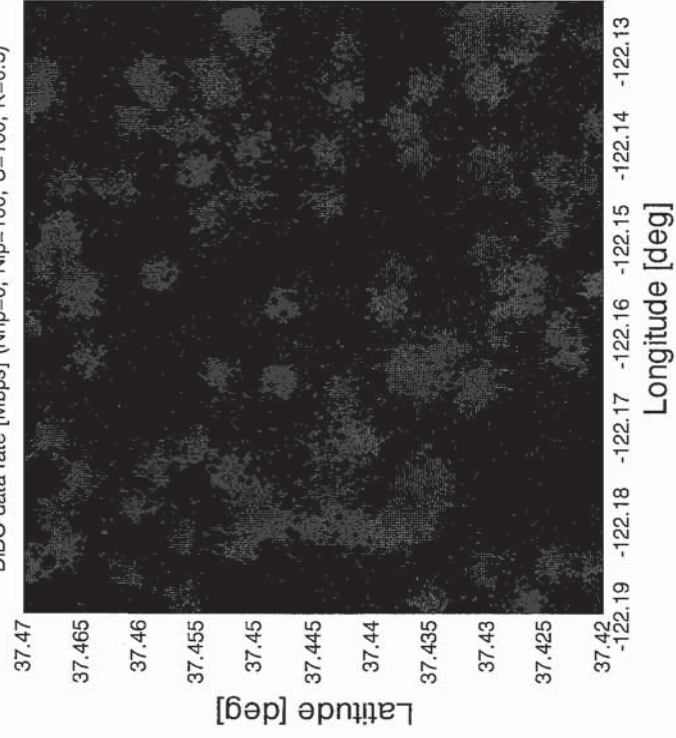


Fig. 20a

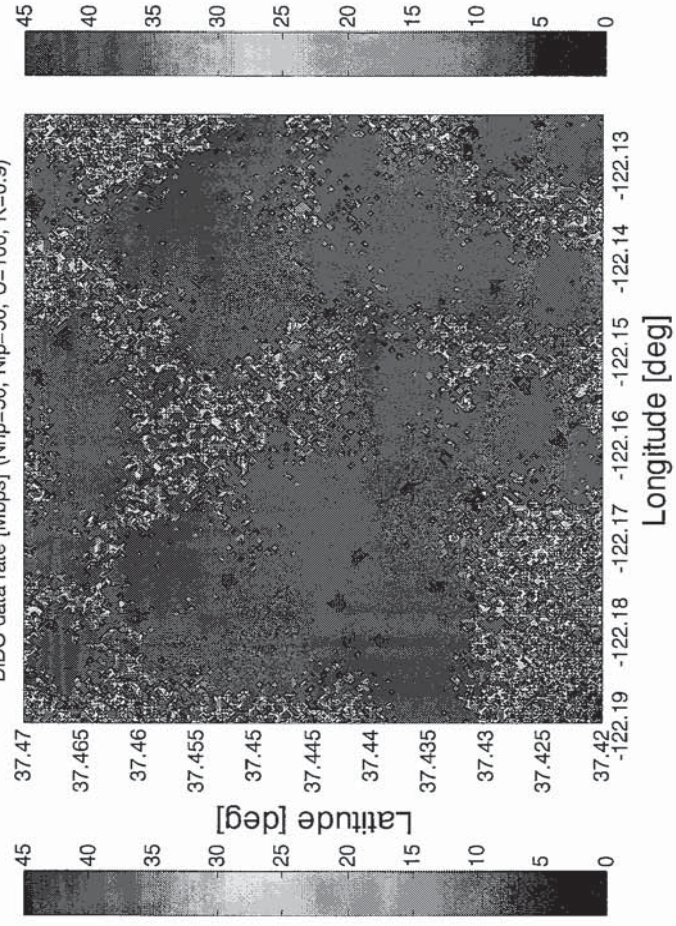
**Fig. 21a****Fig. 21b**

$N_{HP}=0, N_{LP}=100$

 DIDO data rate [Mbps] ($N_{HP}=0, N_{LP}=100, U=100, K=0.5$)


- No HP stations
- 5MHz to 100 LP stations
- User data rate **2.4Mbps**

Fig. 22a
 $N_{HP}=50, N_{LP}=50$

 DIDO data rate [Mbps] ($N_{HP}=50, N_{LP}=50, U=100, K=0.9$)


- 9MHz to 50 HP stations
- 1MHz to 50 LP stations
- User data rate **38Mbps**

Fig. 22b

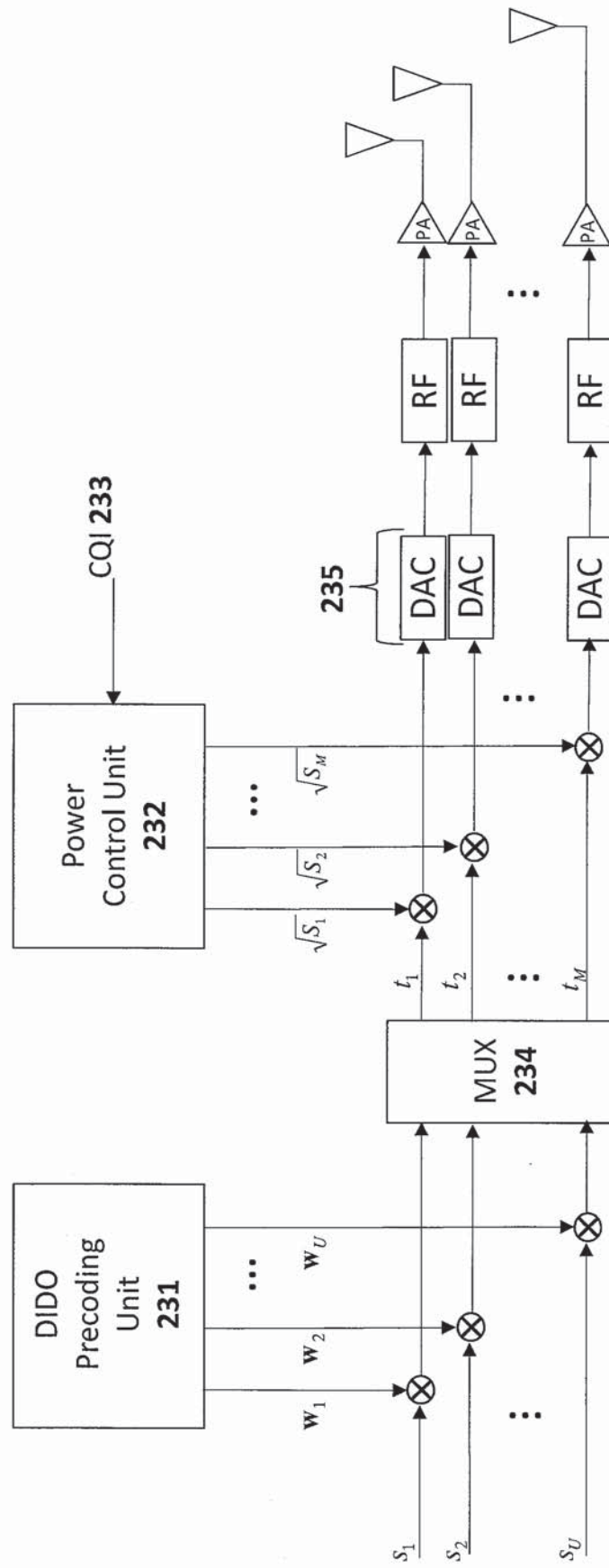


Fig. 23

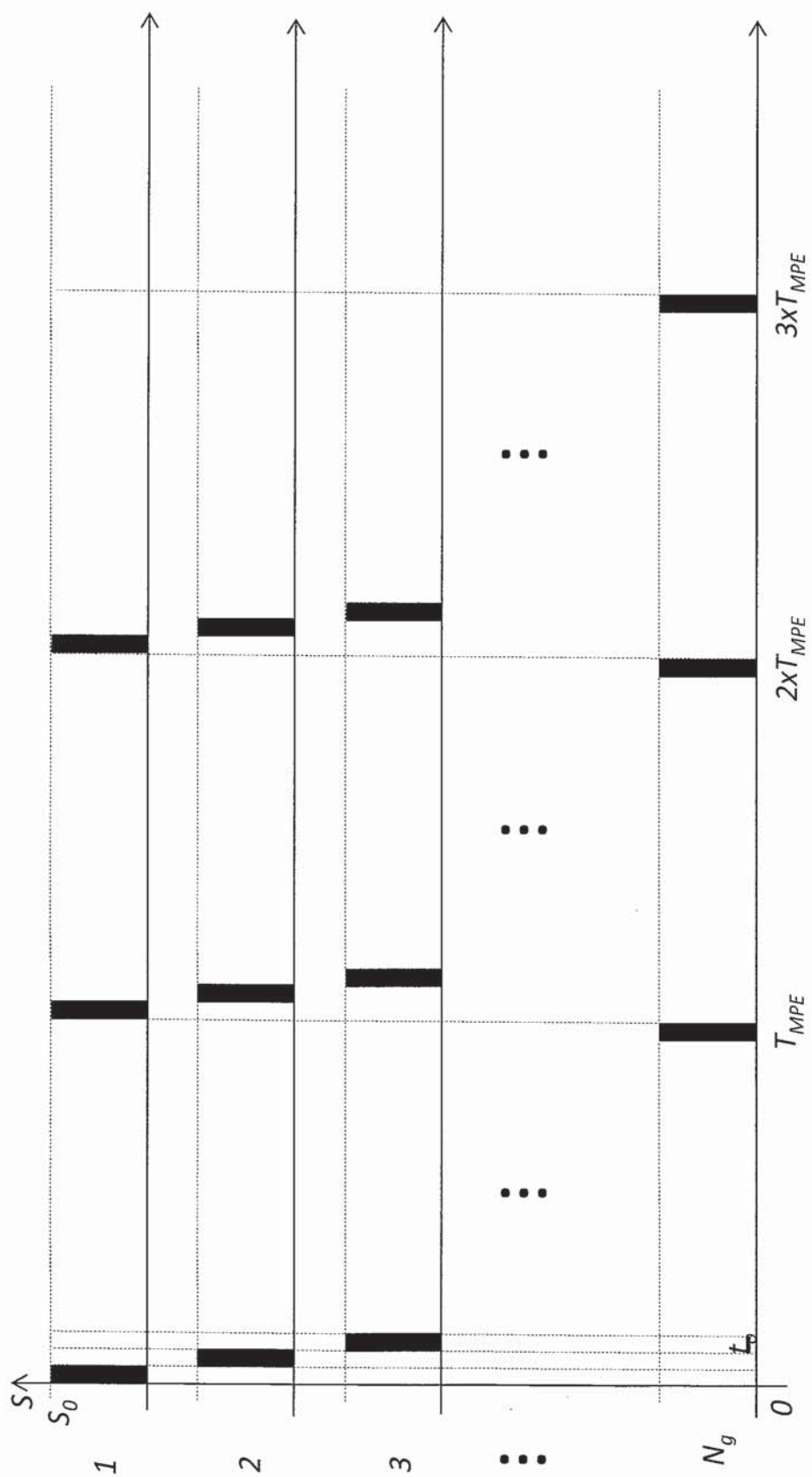


Fig. 24

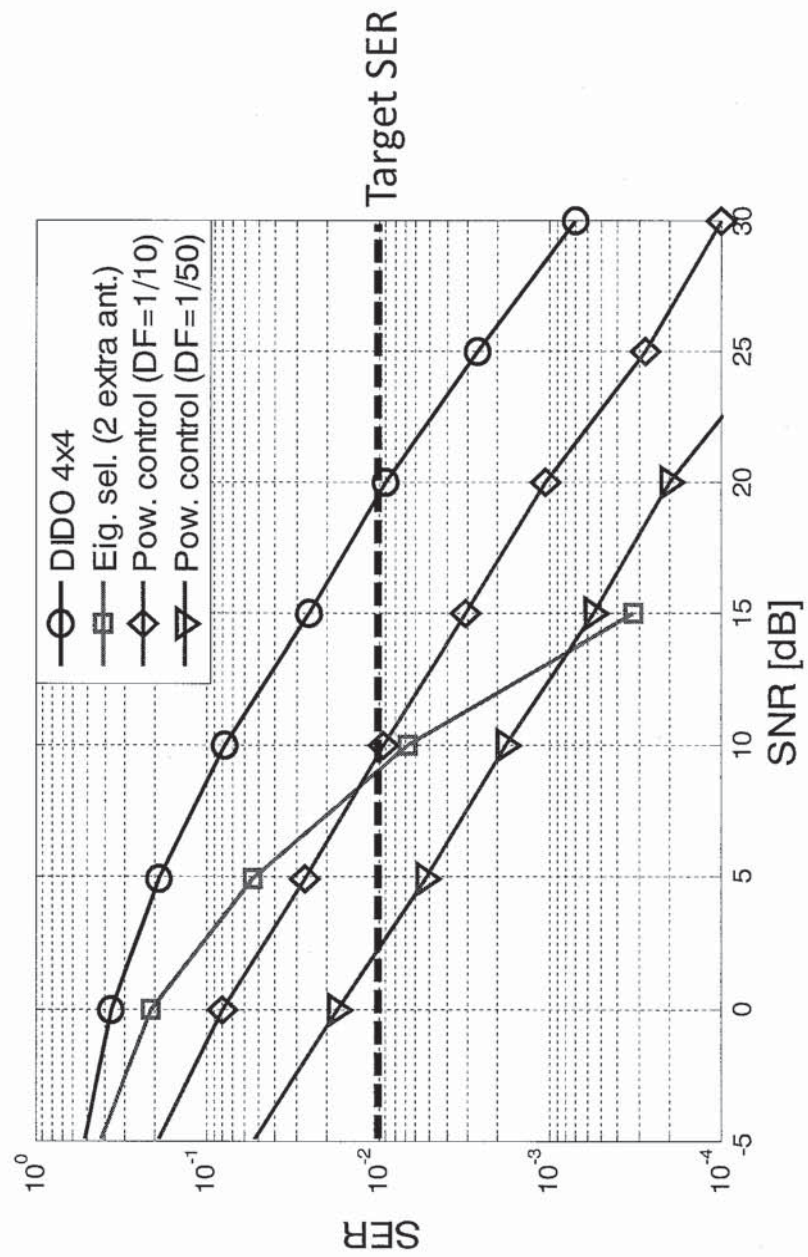


Fig. 25

$$E\{|H|^2\}$$

0.9945	1.0025	0.9951	0.9987
1.0054			
0.9977	1.0195	0.9811	1.0142
1.0125			
0.9857	0.9953	0.9952	1.0268
0.9988			
0.9917	0.9853	1.0135	1.0053
0.9828			
0.9981	0.9923	0.9953	0.9915
1.0250			

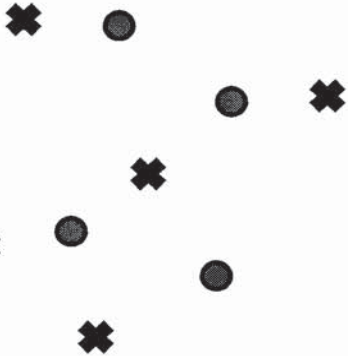


Fig. 26a

$$E\{|H|^2\}$$

1.0163	0.9877	0	0	0
1.0317	0.9755	0	0	0
0	0	0.9904	0.9917	1.0002
0	0	1.0300	0.9748	1.0116
0	0	0.9978	1.0253	0.9953

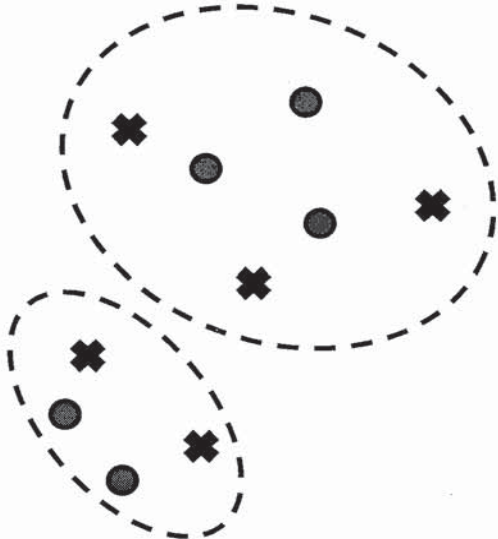


Fig. 26b

$$E\{|H|^2\}$$

1.0298	0	0	0
0			
0	0	0.9903	0
0	0	0	1.0033
0	0	0	0
0	0	0	0
0	0	0	1.0255
0	0	0	0
1.0143	0	0	0

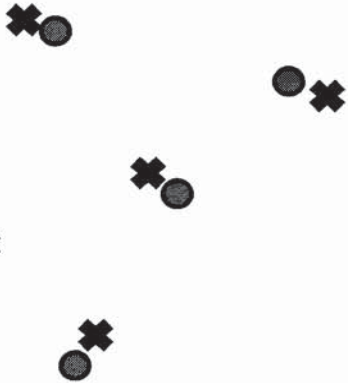
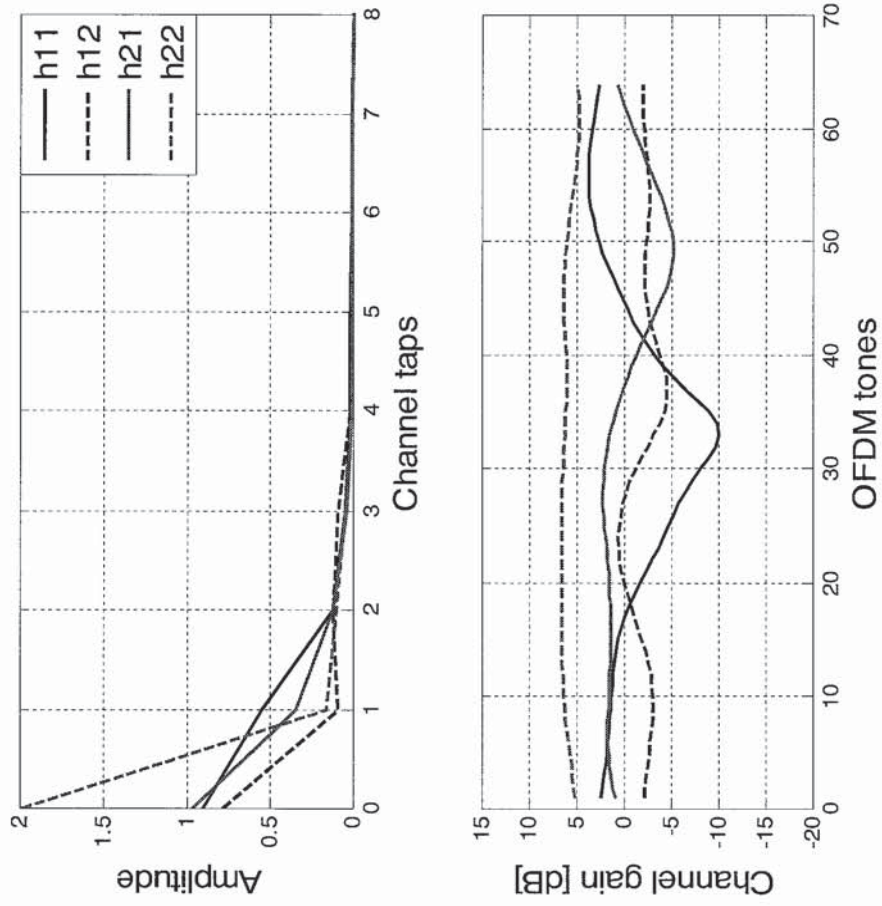


Fig. 26c

**Fig. 27**

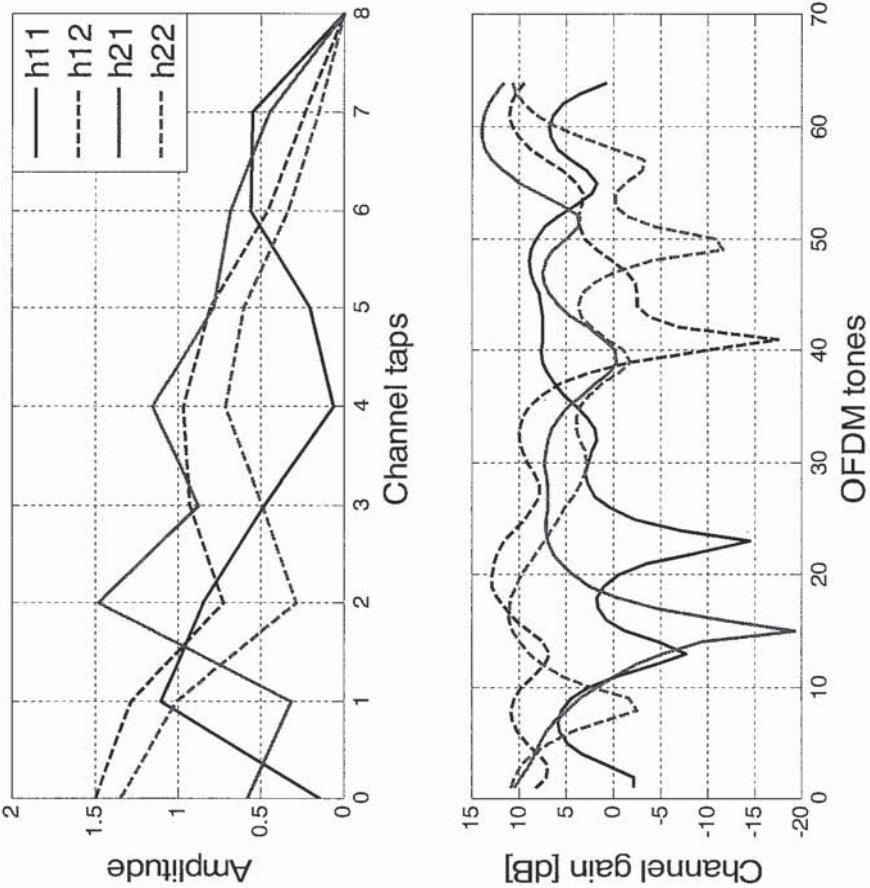
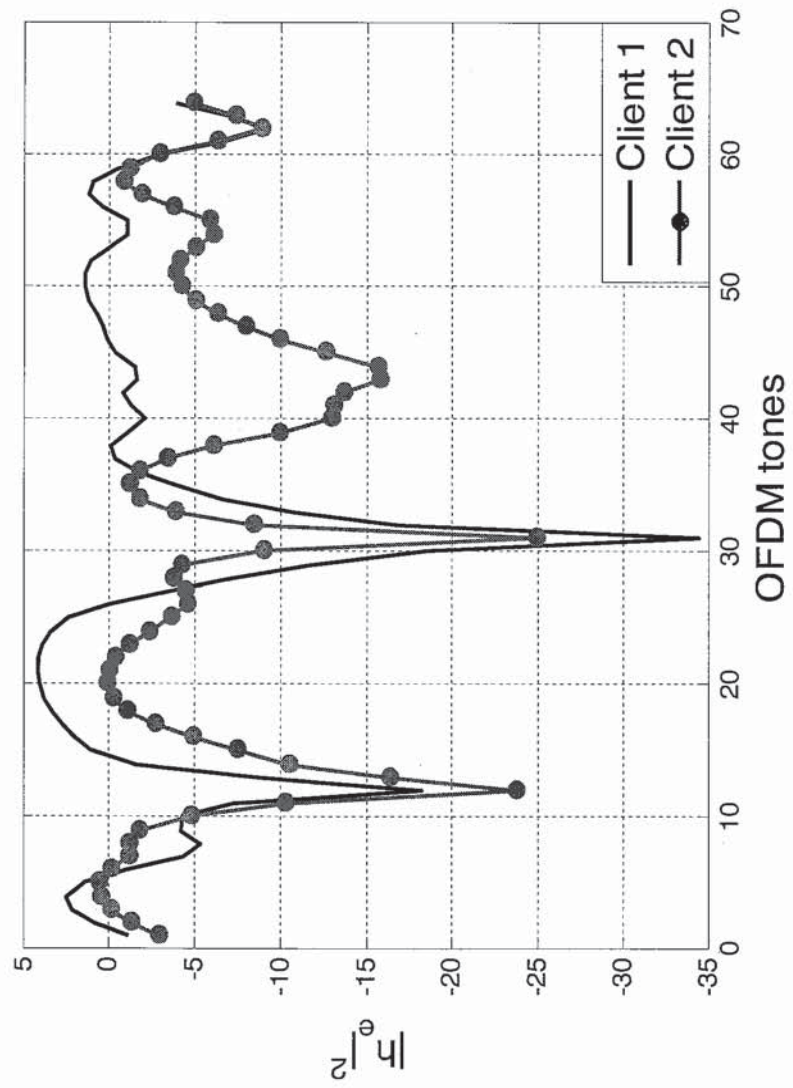


Fig. 28

**Fig. 29**

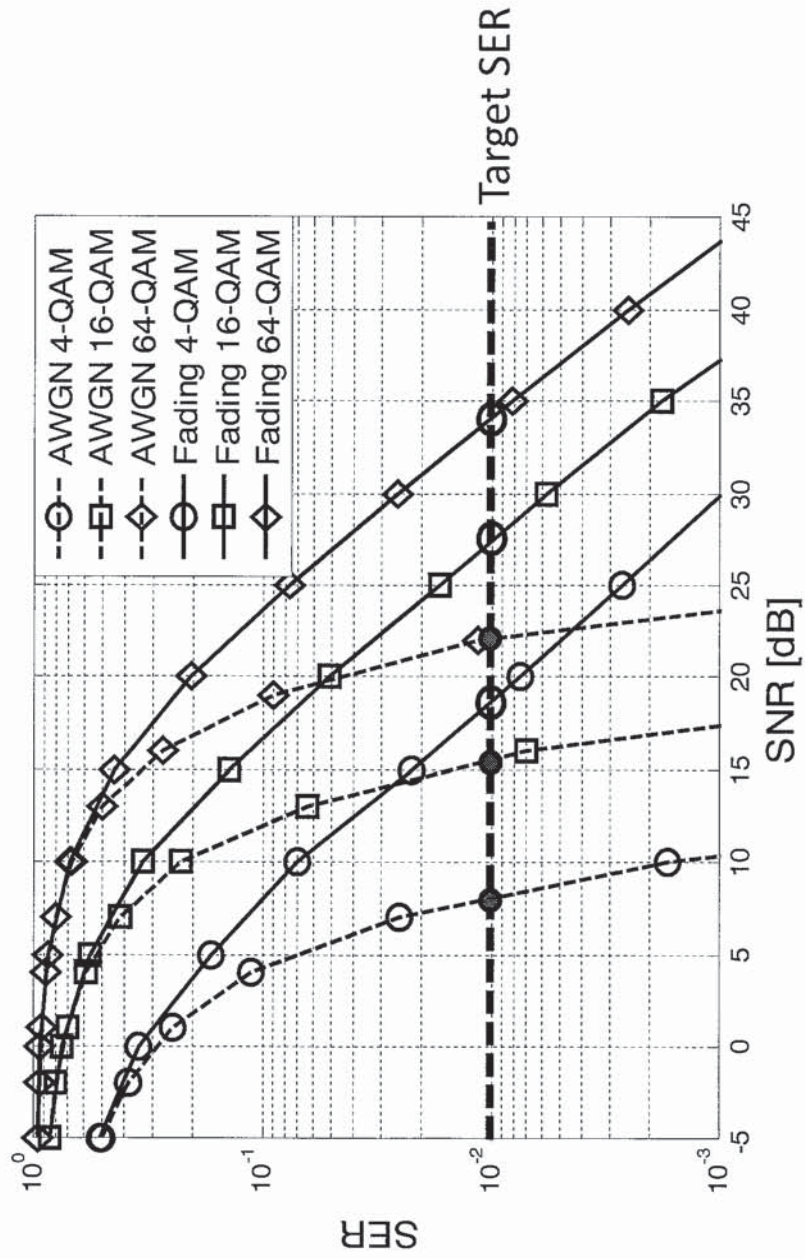
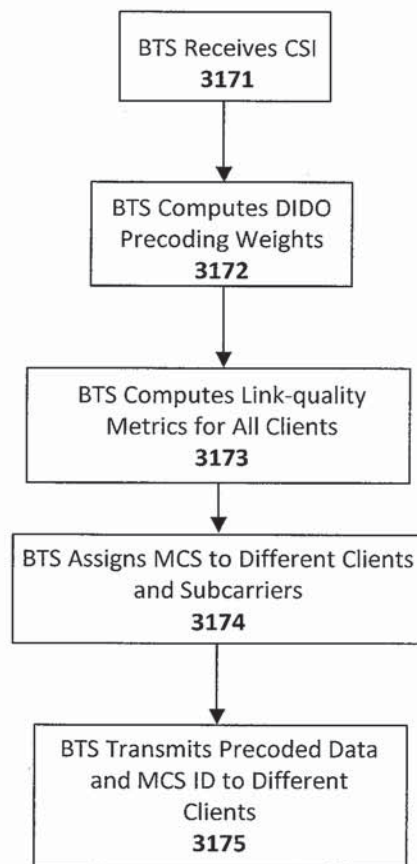


Fig. 30

**Fig. 31**

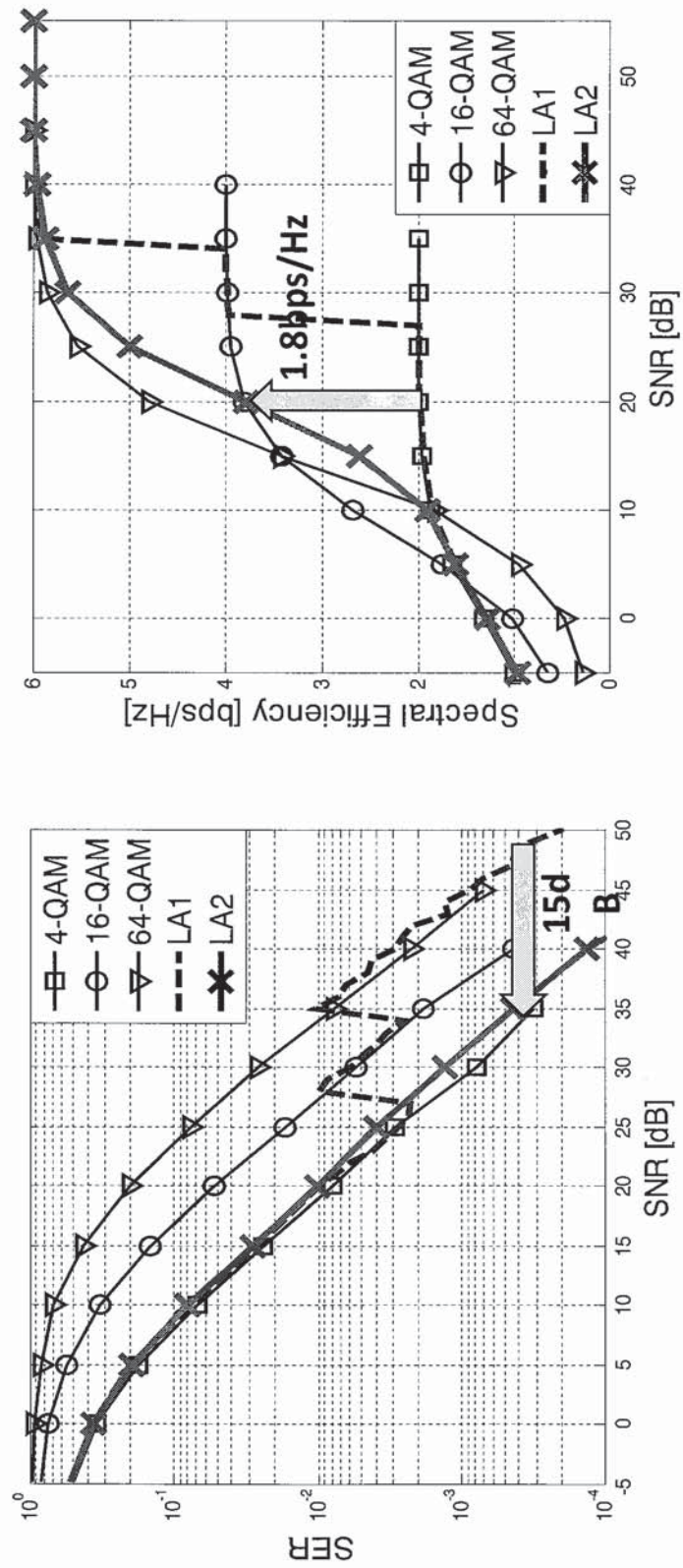
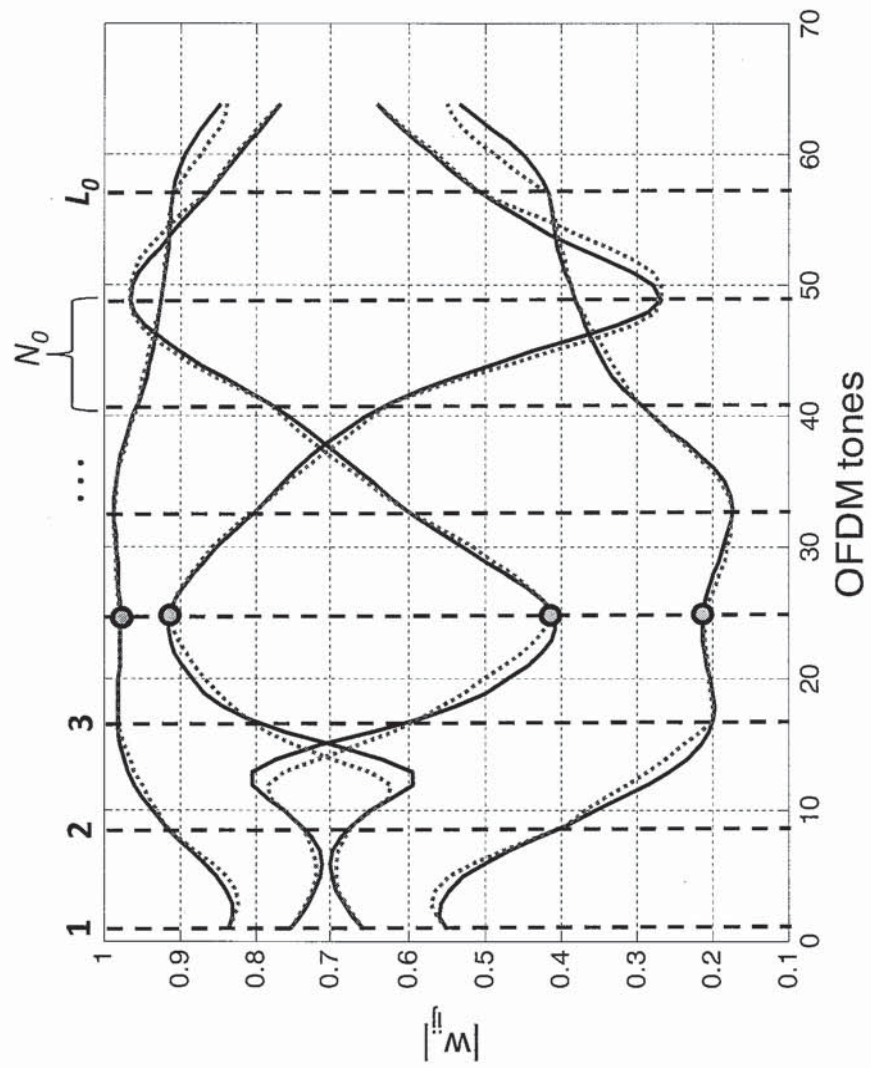


Fig. 32

**Fig. 33**

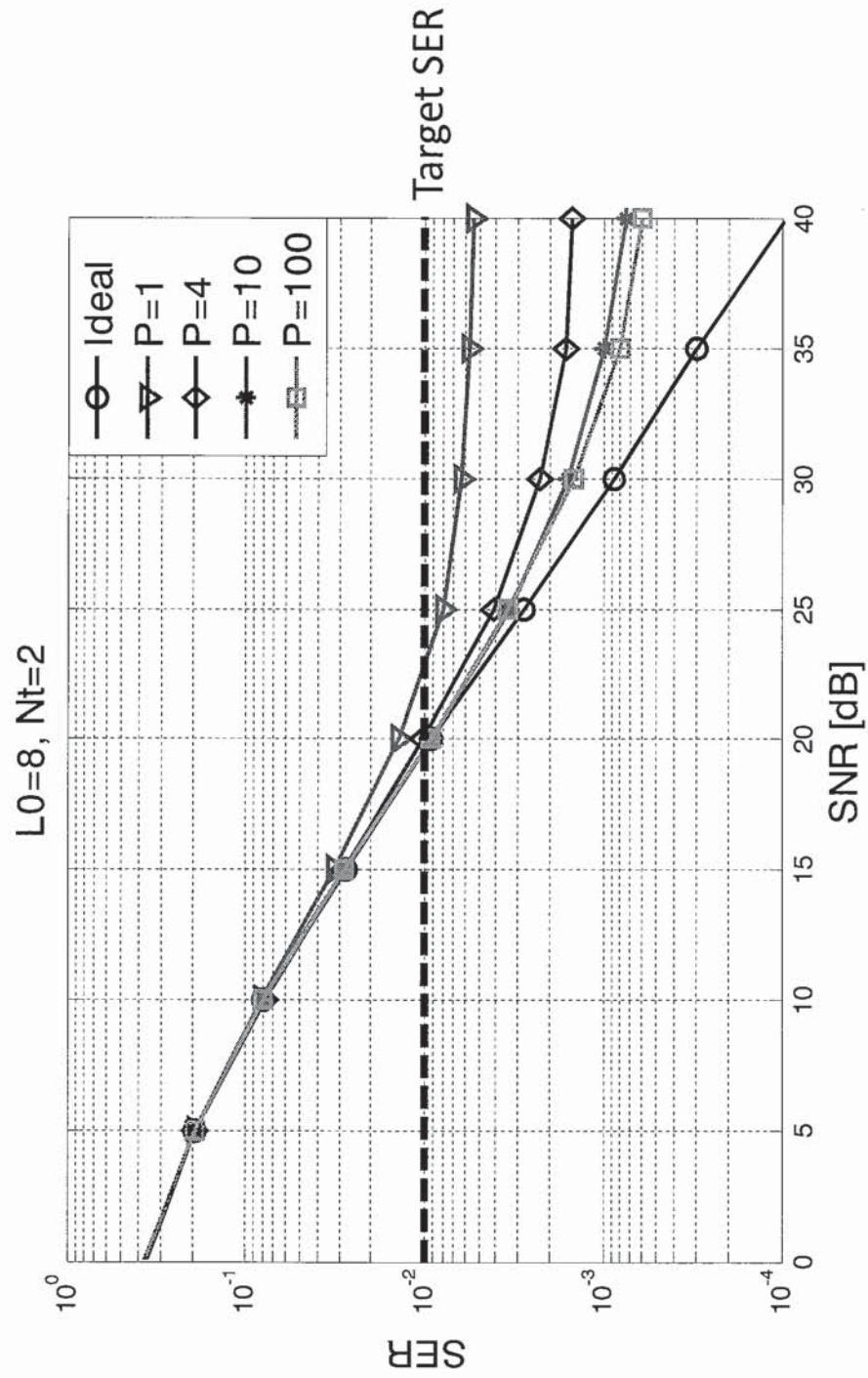


Fig. 34

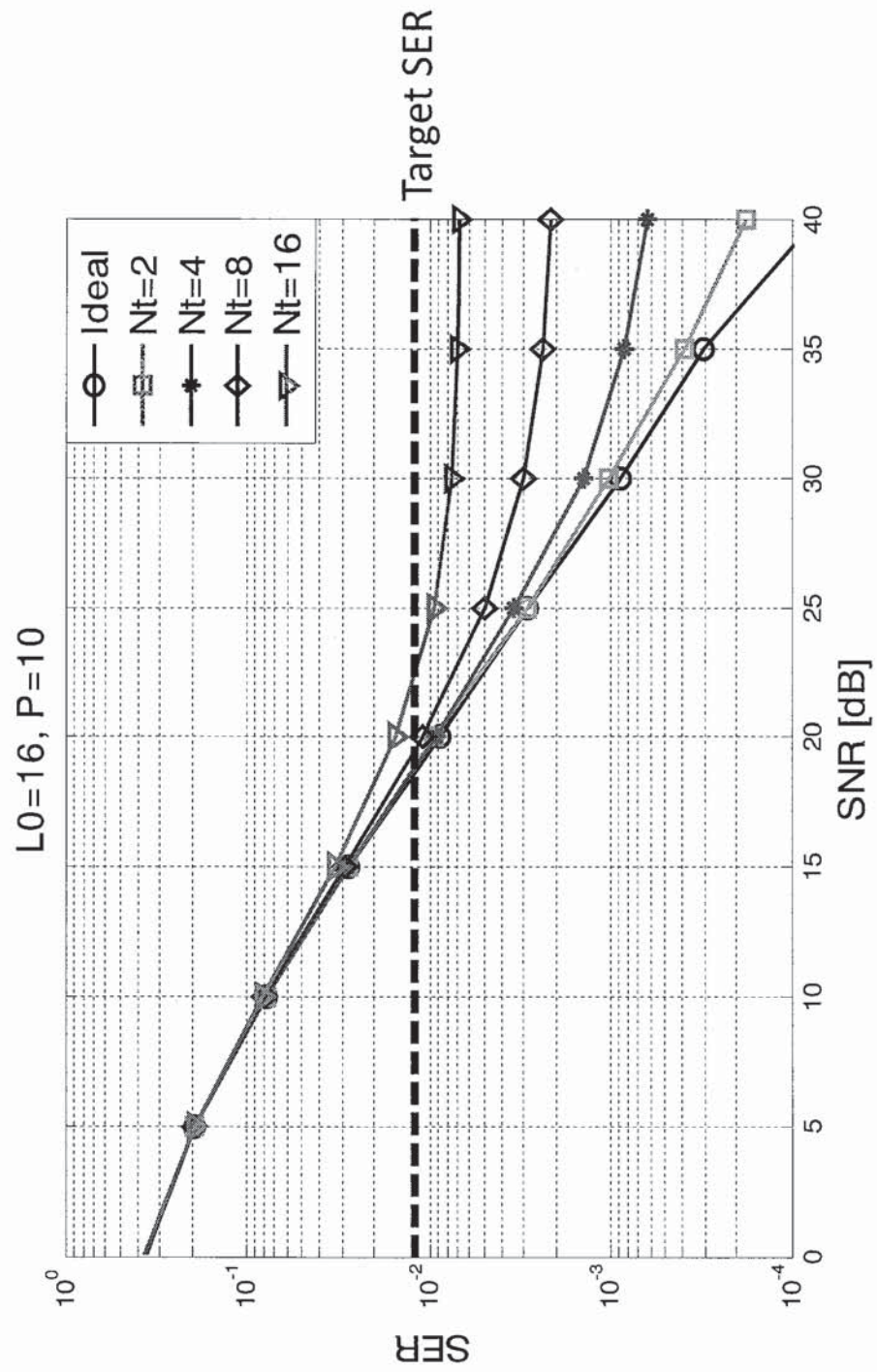


Fig. 35

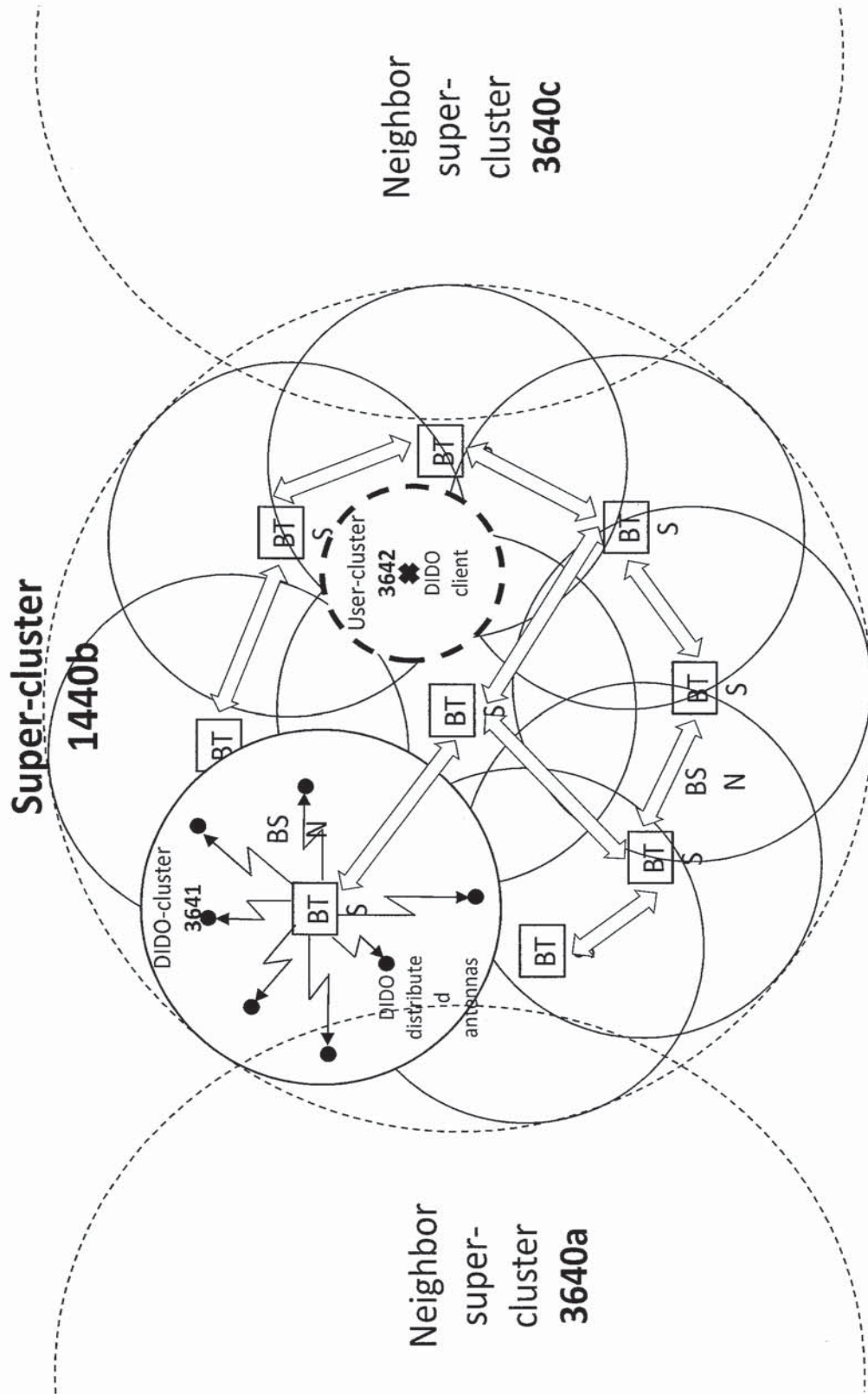
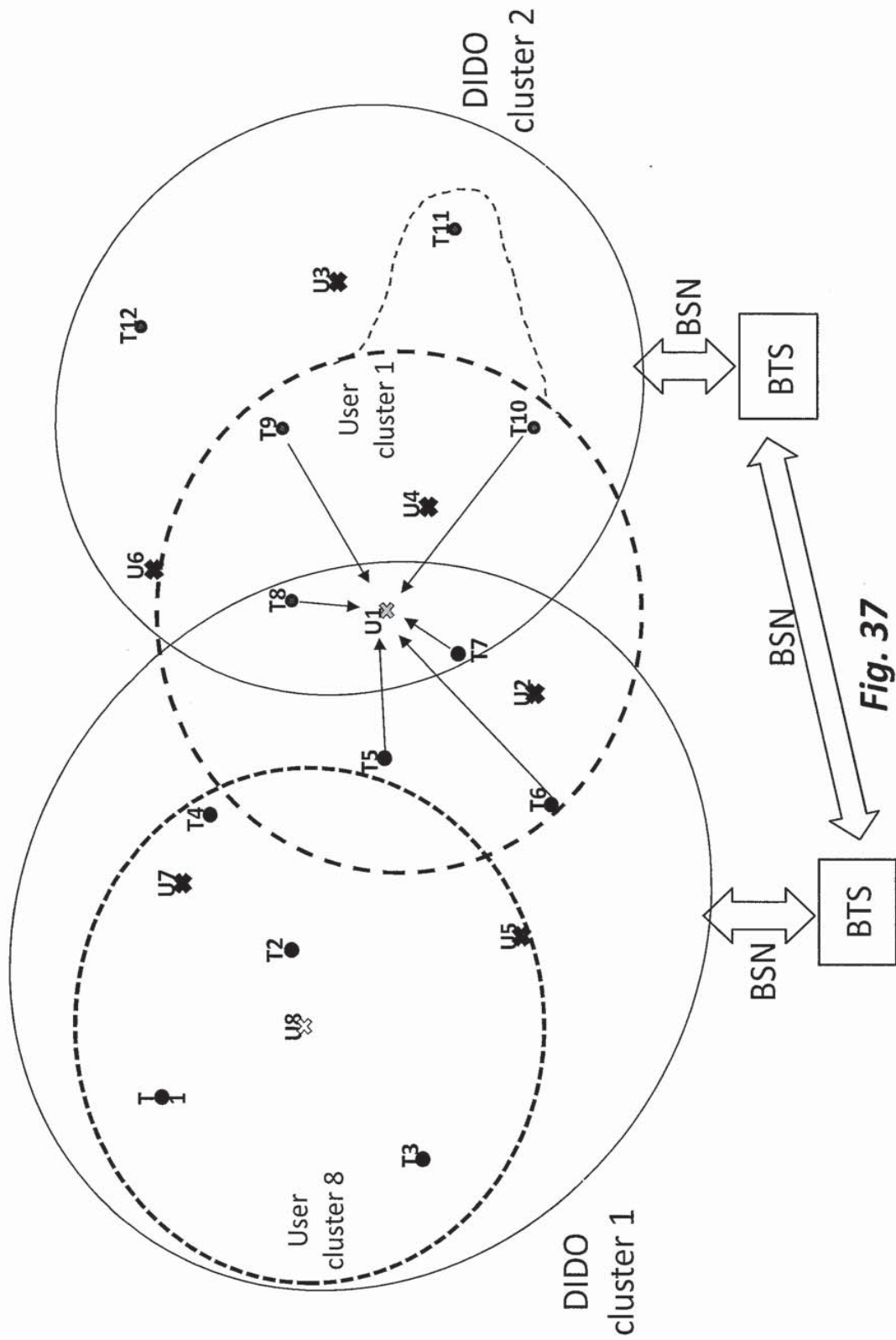
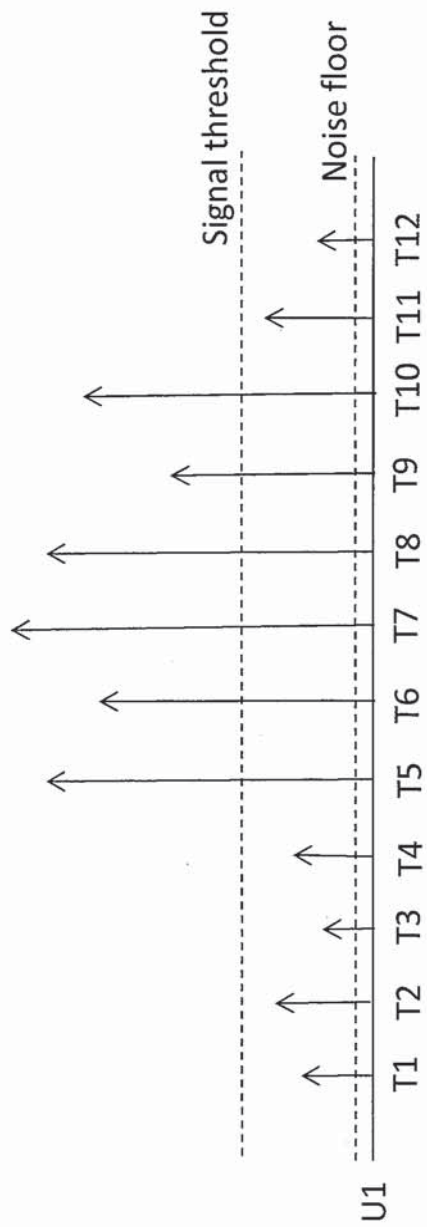
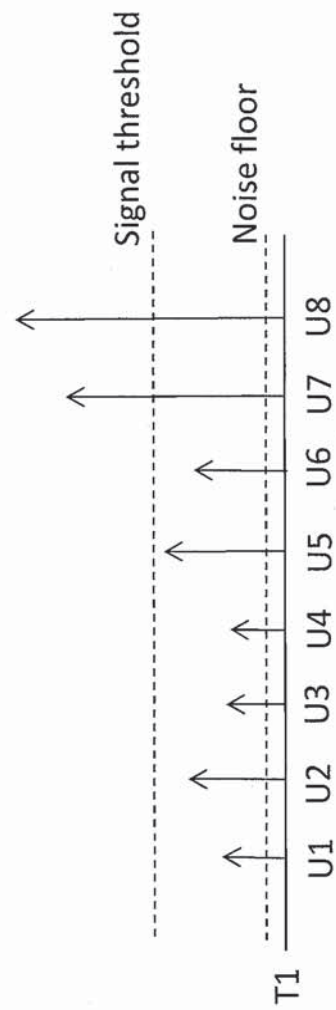


Fig. 36



**Fig. 38a****Fig. 38b**

	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12
U1	0	0	0	0	$C_{1,5}$	$C_{1,6}$	$C_{1,7}$	$C_{1,8}$	$C_{1,9}$	$C_{1,10}$	0	0
U2	0	0	0	0	$C_{2,5}$	$C_{2,6}$	$C_{2,7}$	0	0	0	0	0
U3	0	0	0	0	0	0	0	0	$C_{3,9}$	$C_{3,10}$	$C_{3,11}$	$C_{3,12}$
U4	0	0	0	0	0	0	$C_{4,7}$	$C_{4,8}$	$C_{4,9}$	$C_{4,10}$	0	0
U5	0	$C_{5,2}$	$C_{5,3}$	0	$C_{5,5}$	$C_{5,6}$	0	0	0	0	0	0
U6	0	0	0	$C_{6,4}$	0	0	0	$C_{6,8}$	$C_{6,9}$	0	0	$C_{6,12}$
U7	$C_{7,1}$	$C_{7,2}$	0	$C_{7,4}$	$C_{7,5}$	0	0	0	0	0	0	0
U8	$C_{8,1}$	$C_{8,2}$	$C_{8,3}$	$C_{8,4}$	0	0	0	0	0	0	0	0

Fig. 39

	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12
U1	0	0	0	0	$C_{1,5}$	$C_{1,6}$	$C_{1,7}$	$C_{1,8}$	$C_{1,9}$	$C_{1,10}$	0	0
U2	0	0	0	0	$C_{2,5}$	$C_{2,6}$	$C_{2,7}$	0	0	0	0	0
U3	0	0	0	0	0	0	0	0	$C_{3,9}$	$C_{3,10}$	$C_{3,11}$	$C_{3,12}$
U4	0	0	0	0	0	0	$C_{4,7}$	$C_{4,8}$	$C_{4,9}$	$C_{4,10}$	0	0
U5	0	$C_{5,2}$	$C_{5,3}$	0	$C_{5,5}$	$C_{5,6}$	0	0	0	0	0	0
U6	0	0	0	$C_{6,4}$	0	0	0	$C_{6,8}$	$C_{6,9}$	0	0	$C_{6,12}$
U7	$C_{7,1}$	$C_{7,2}$	0	$C_{7,4}$	$C_{7,5}$	0	0	0	0	0	0	0
U8	$C_{8,1}$	$C_{8,2}$	$C_{8,3}$	$C_{8,4}$	0	0	0	0	0	0	0	0

Fig. 40

	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12
U1	0	0	0	0	$C_{1,5}$	$C_{1,6}$	$C_{1,7}$	$C_{1,8}$	$C_{1,9}$	$C_{1,10}$	0	0
U2	0	0	0	0	$C_{2,5}$	$C_{2,6}$	$C_{2,7}$	0	0	0	0	0
U3	0	0	0	0	0	0	0	0	$C_{3,9}$	$C_{3,10}$	$C_{3,11}$	$C_{3,12}$
U4	0	0	0	0	0	0	$C_{4,7}$	$C_{4,8}$	$C_{4,9}$	$C_{4,10}$	0	0
U5	0	$C_{5,2}$	$C_{5,3}$	0	$C_{5,5}$	$C_{5,6}$	0	0	0	0	0	0
U6	0	0	0	$C_{6,4}$	0	0	0	$C_{6,8}$	$C_{6,9}$	0	0	$C_{6,12}$
U7	$C_{7,1}$	$C_{7,2}$	0	$C_{7,4}$	$C_{7,5}$	0	0	0	0	0	0	0
U8	$C_{8,1}$	$C_{8,2}$	$C_{8,3}$	$C_{8,4}$	0	0	0	0	0	0	0	0

Fig. 41

