

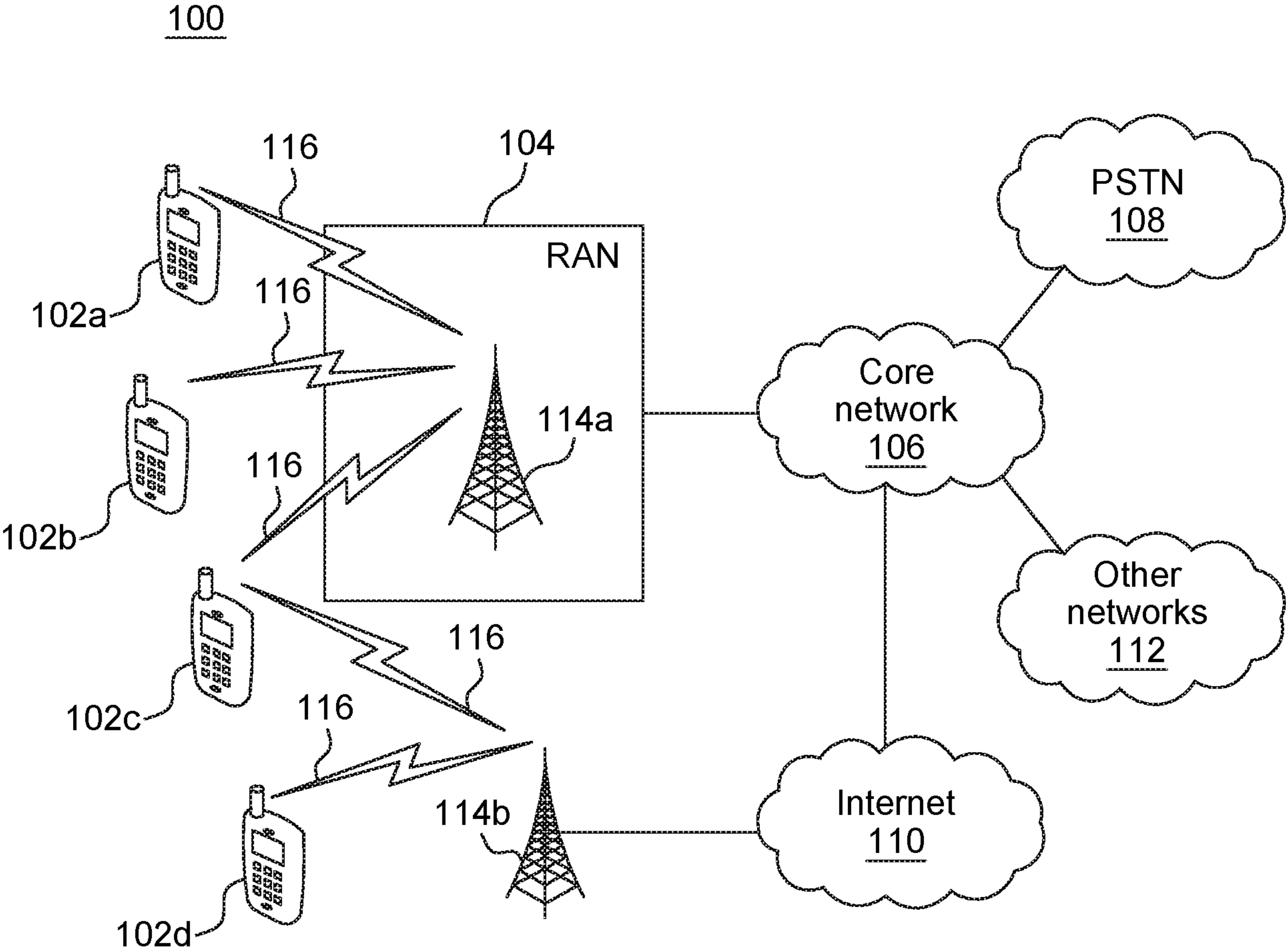


FIG. 1A

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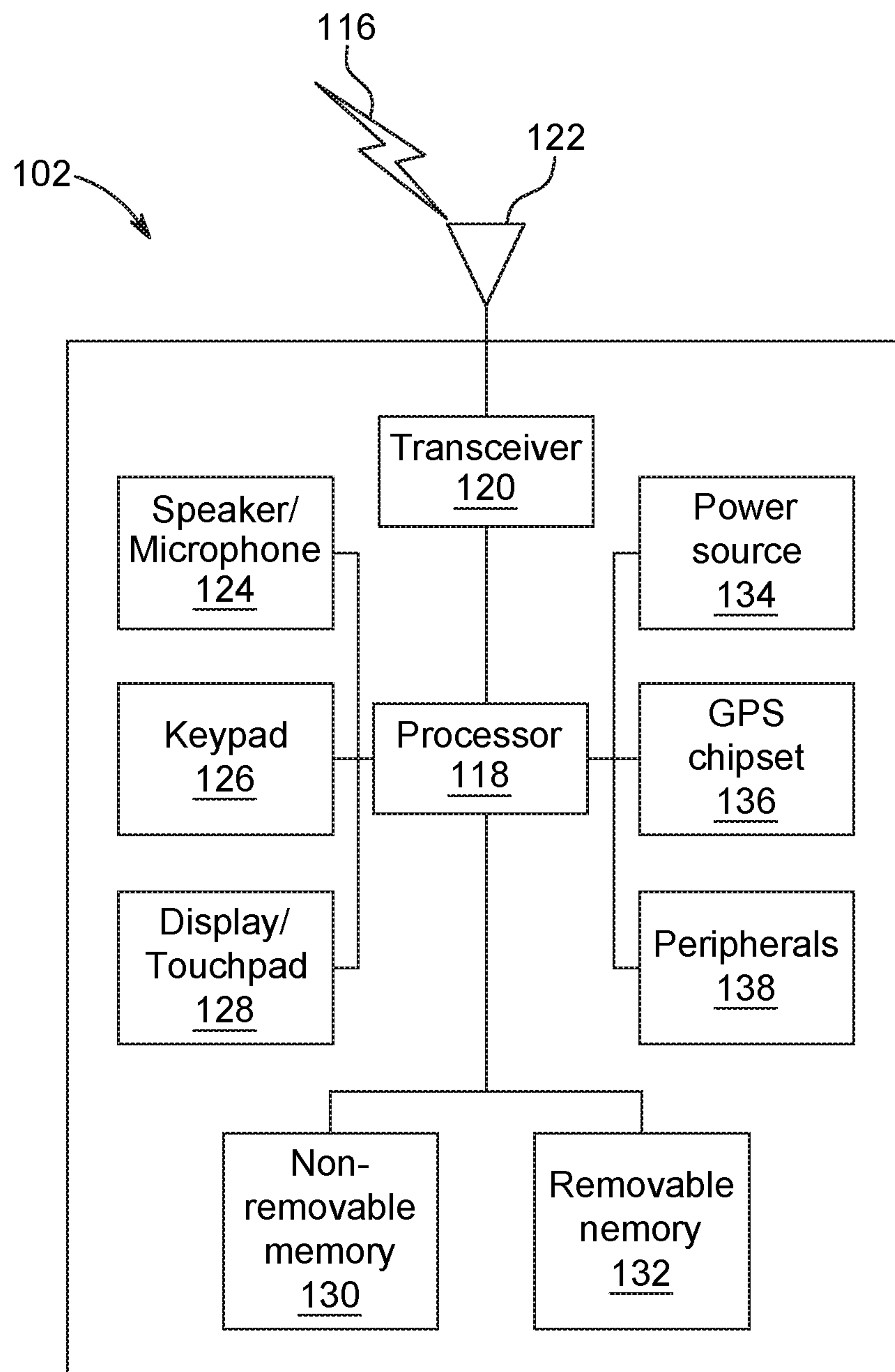


FIG. 1B

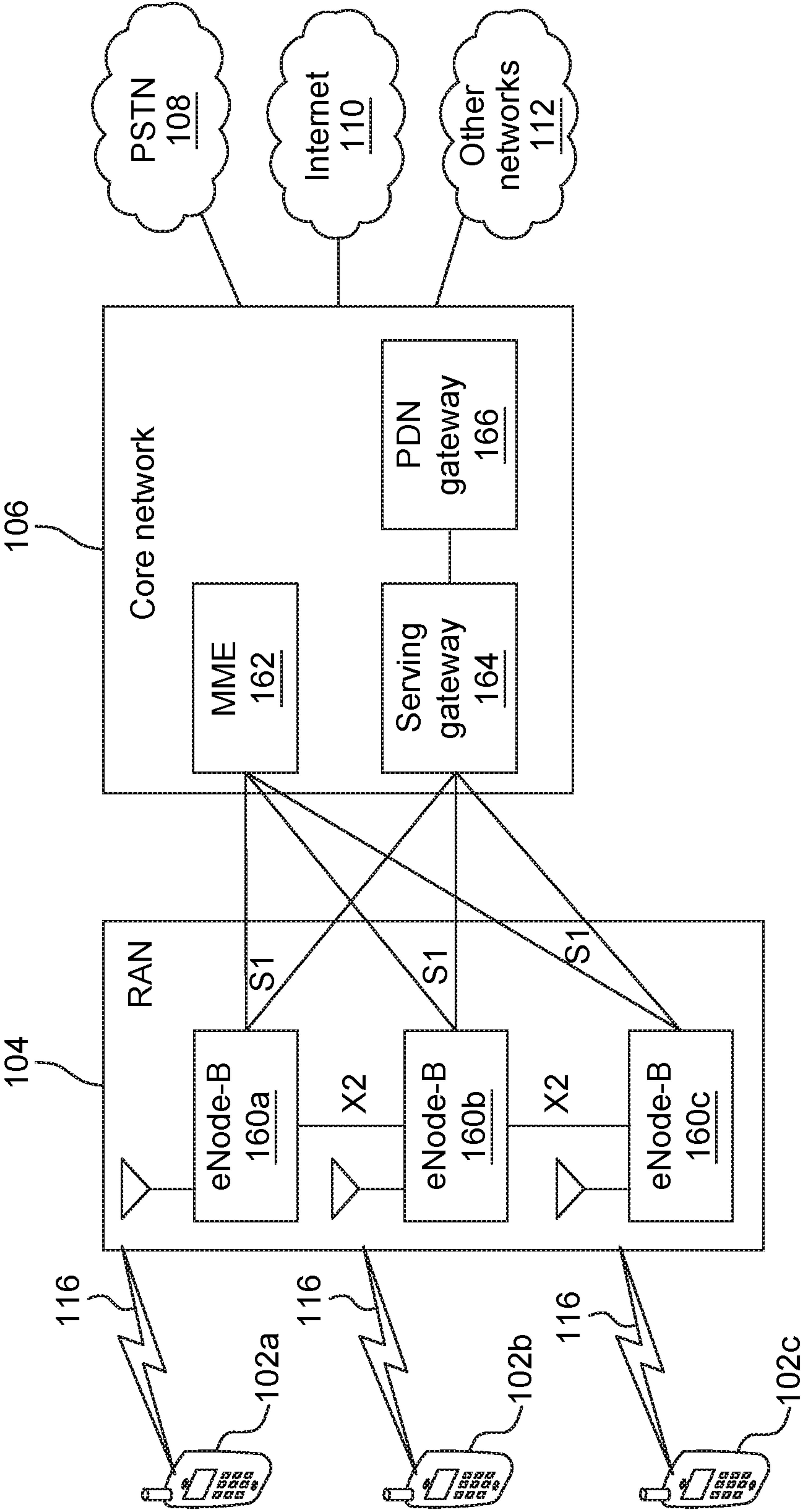


FIG. 1C

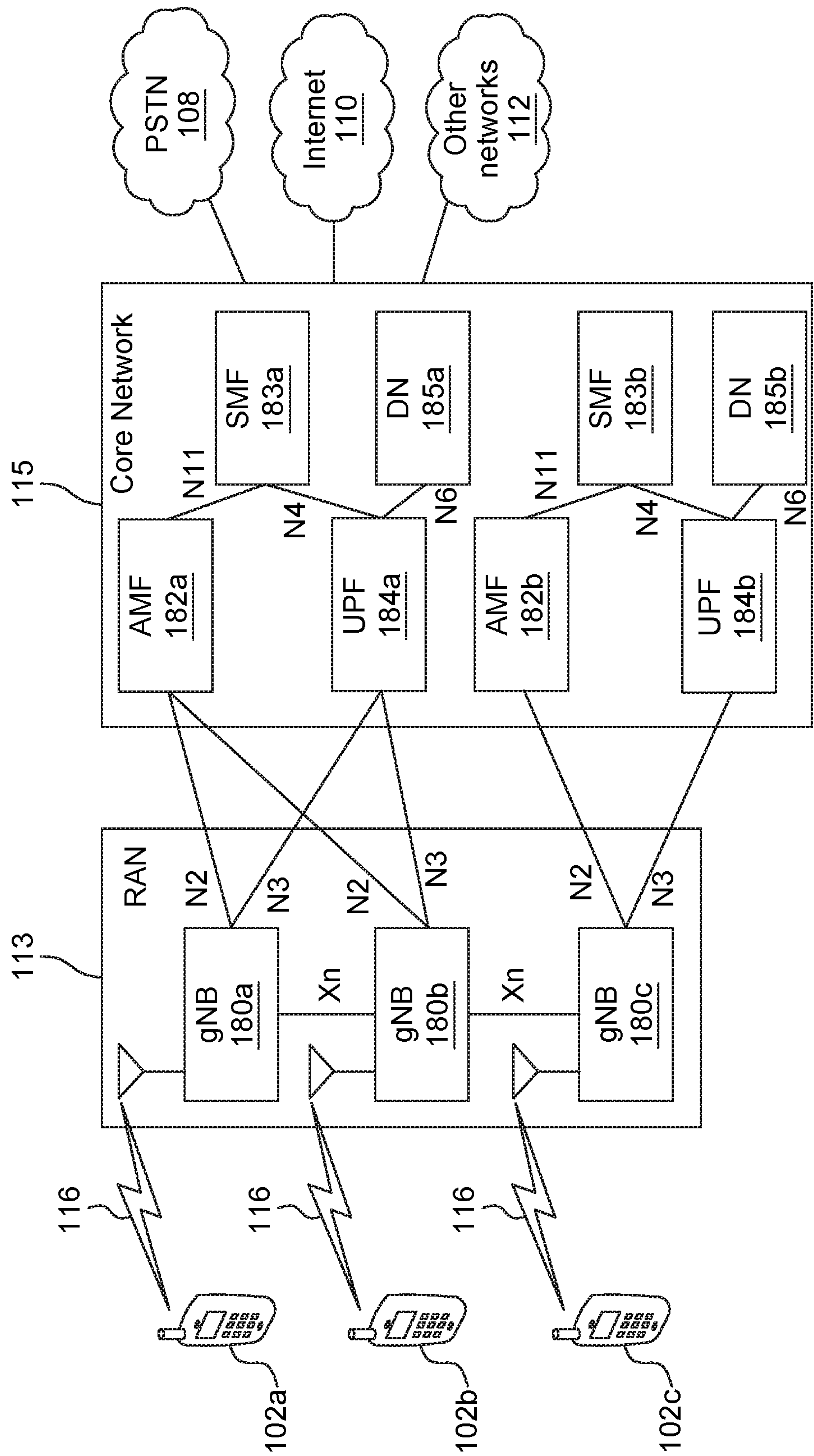


FIG. 1D

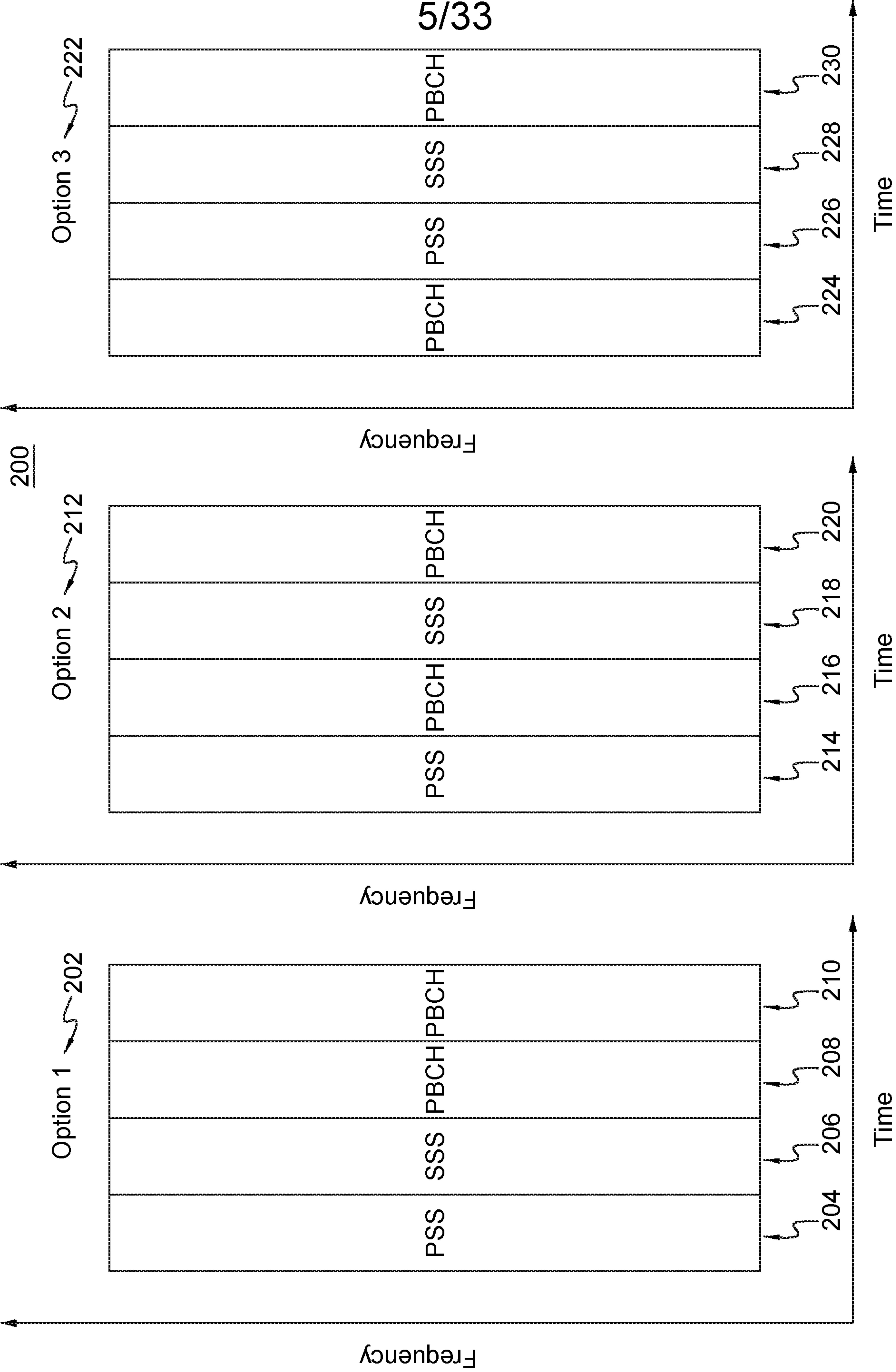


FIG. 2

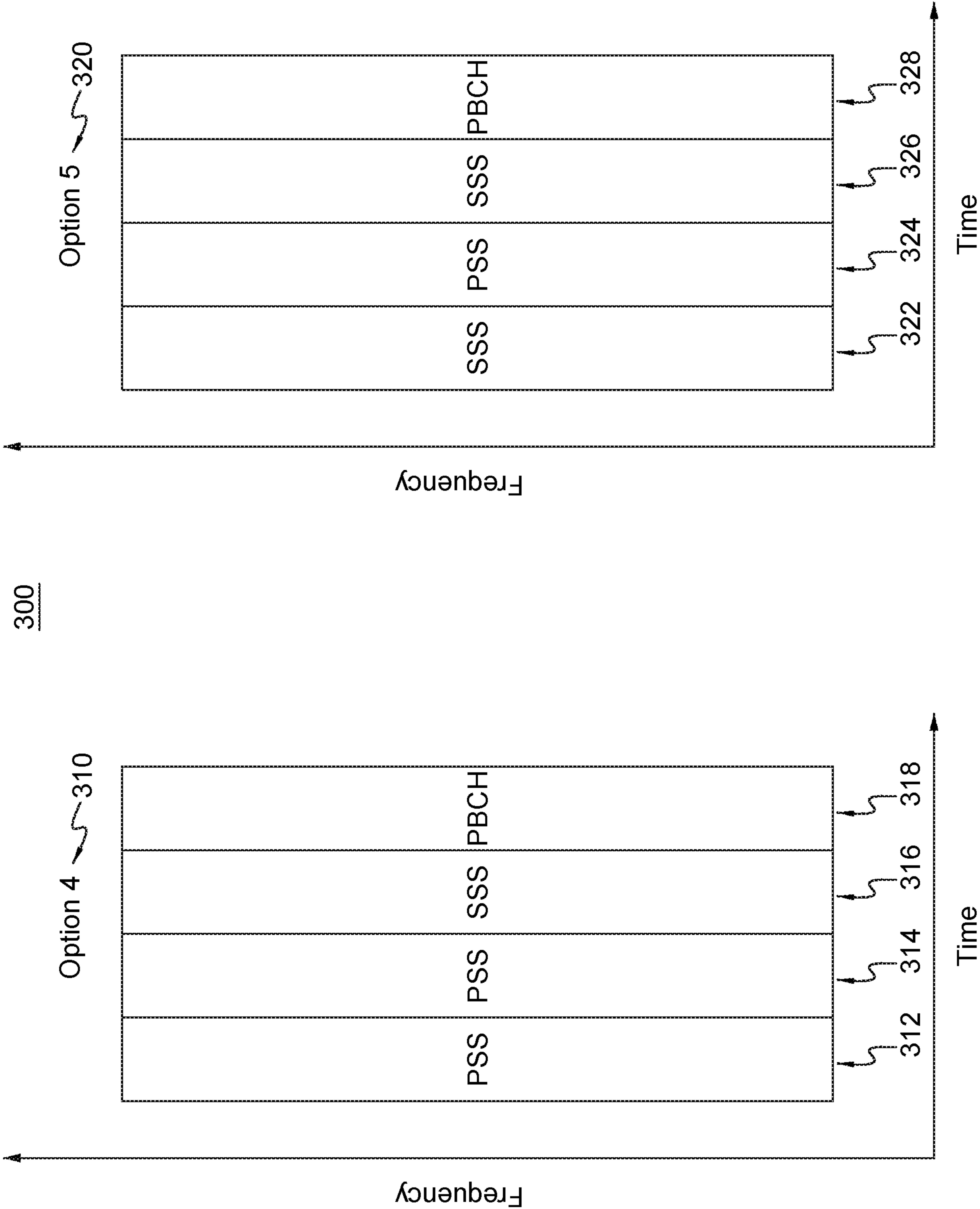


FIG. 3

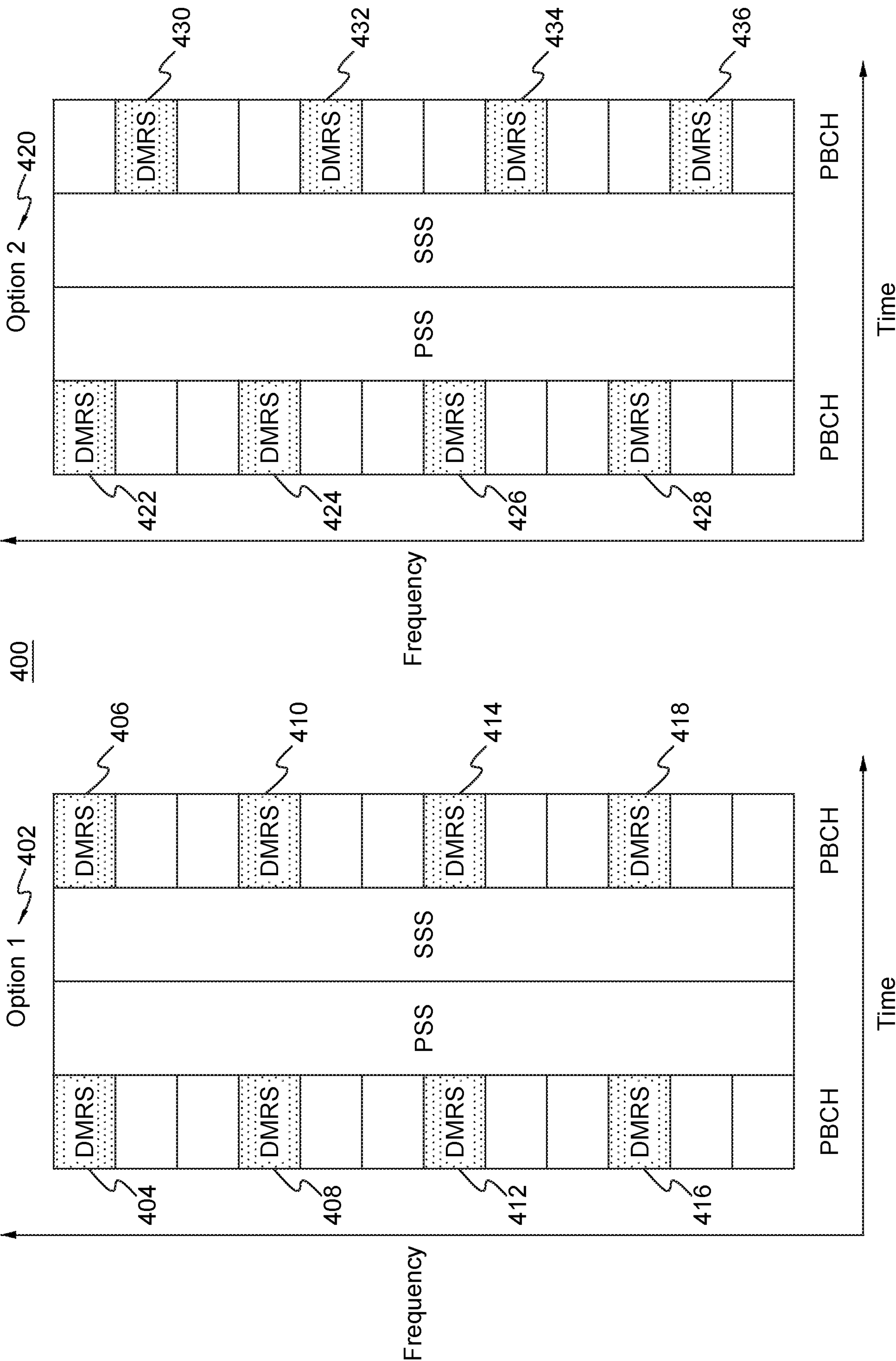


FIG. 4

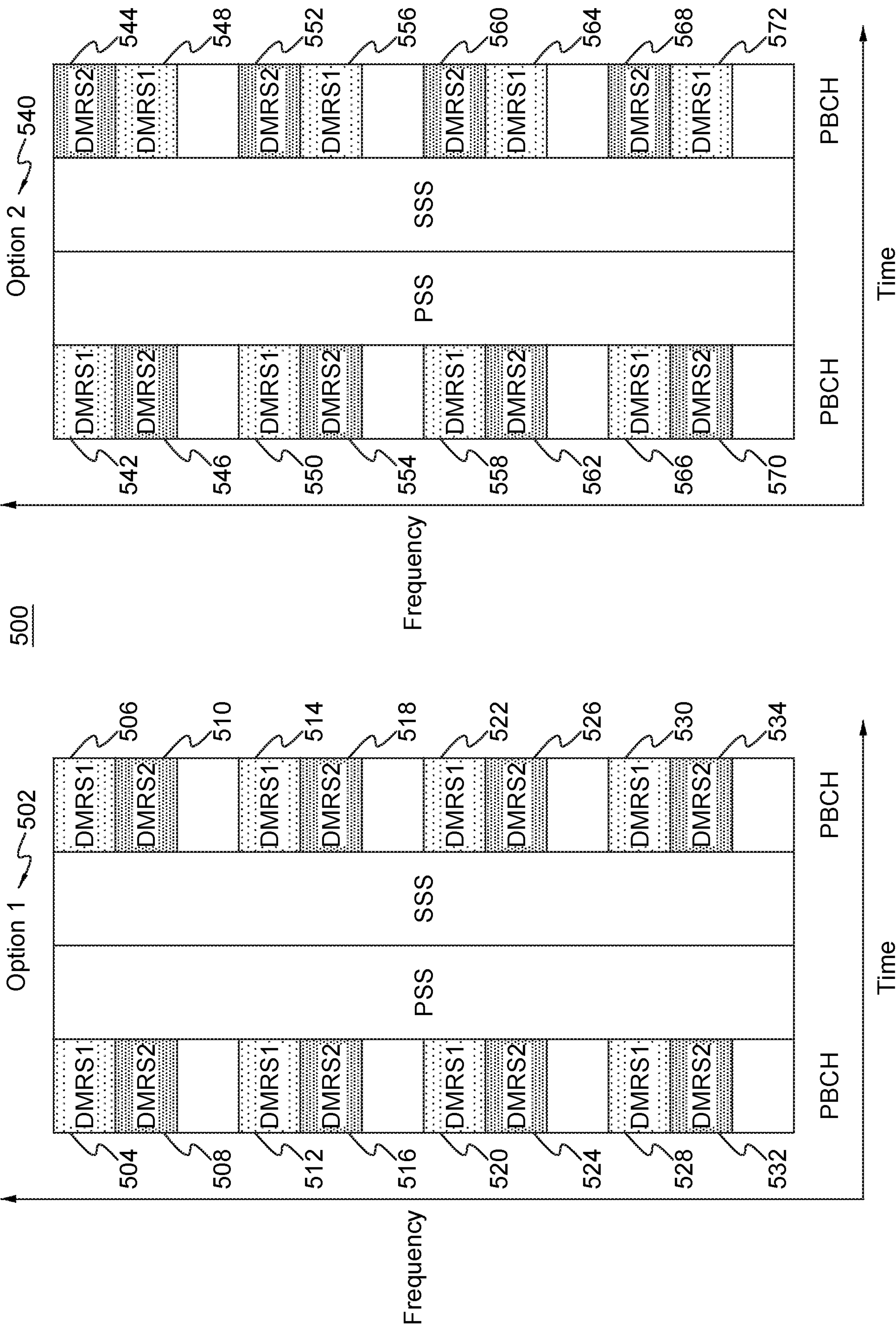


FIG. 5

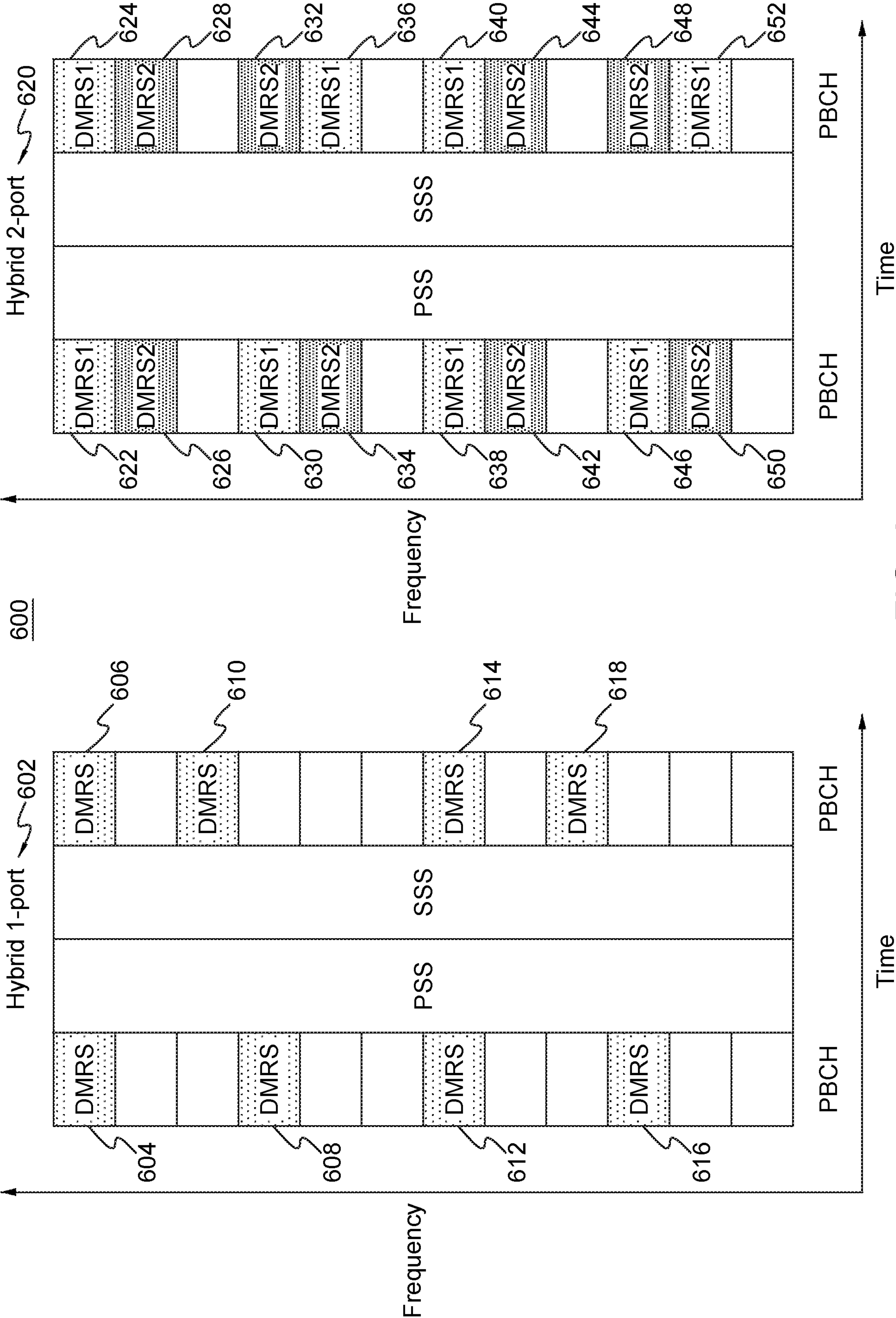


FIG. 6

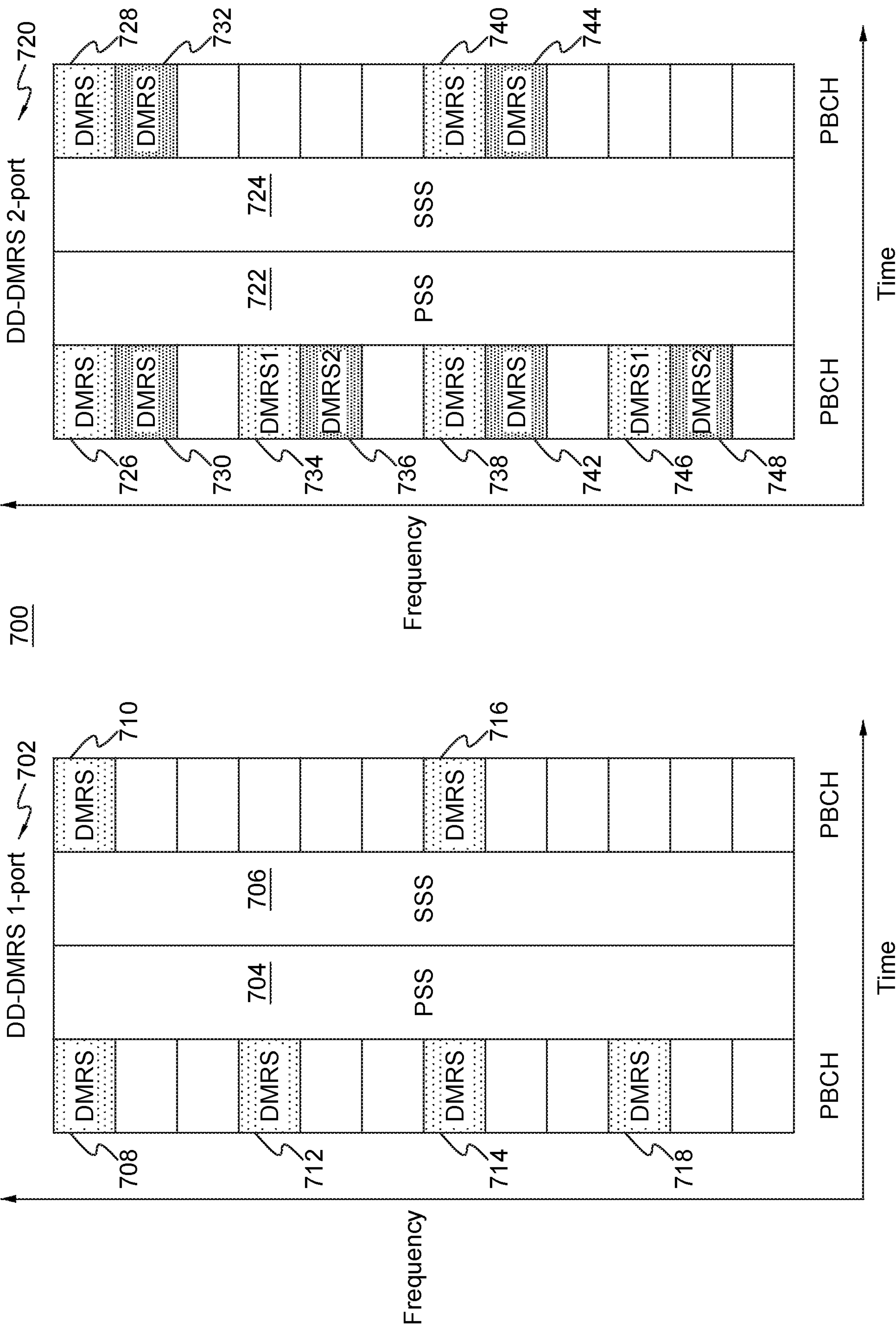


FIG. 7

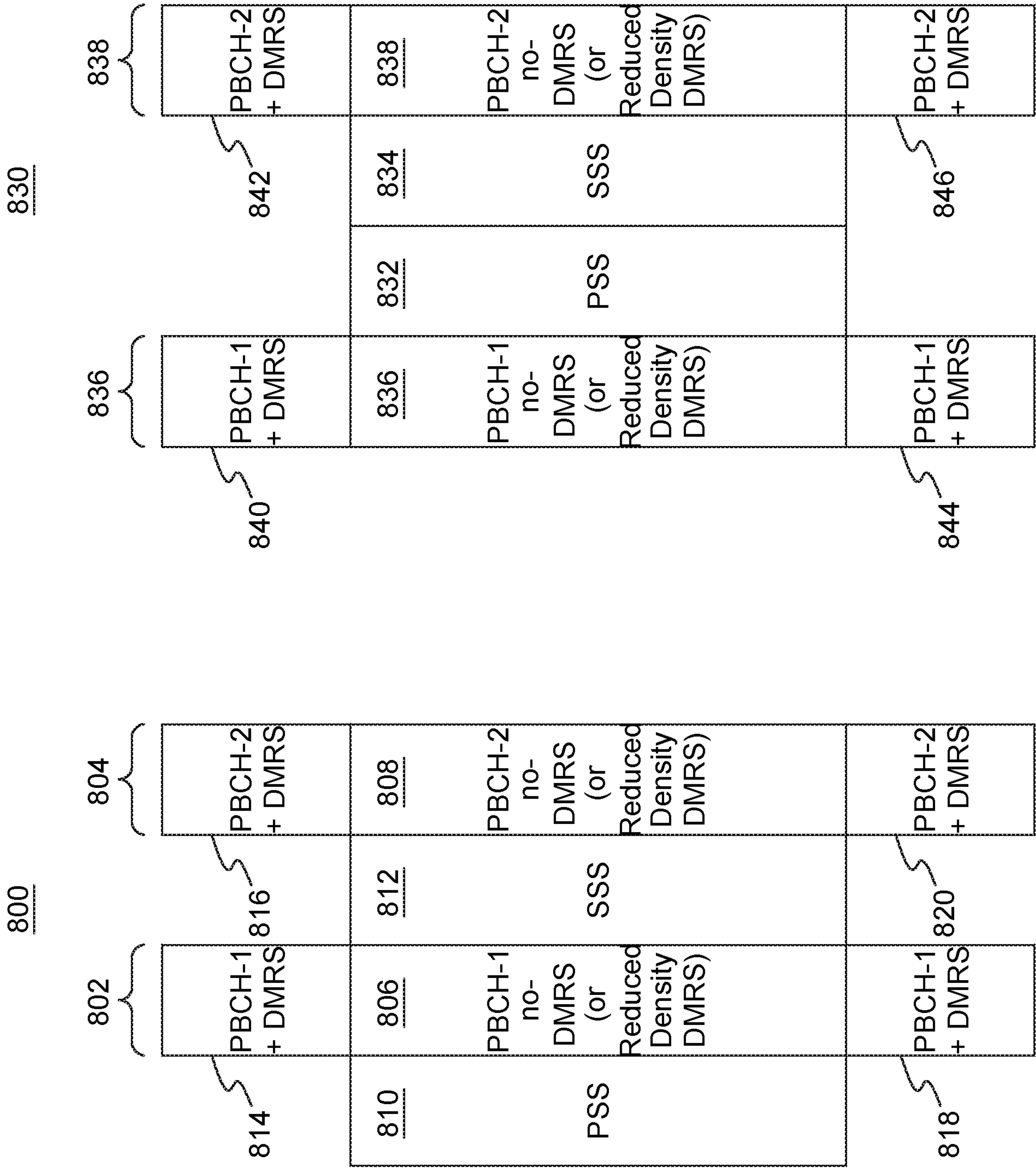


FIG. 8

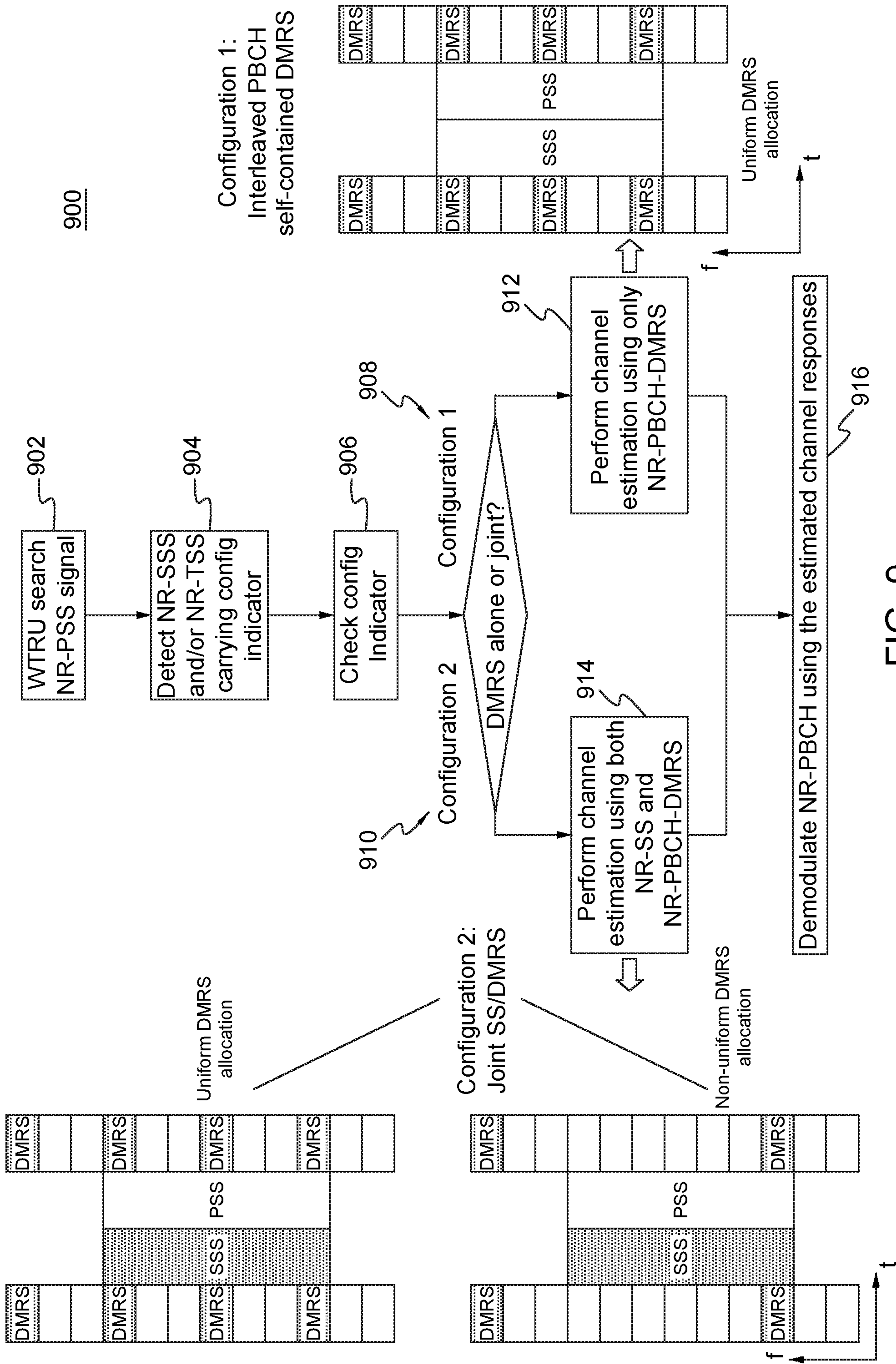


FIG. 9

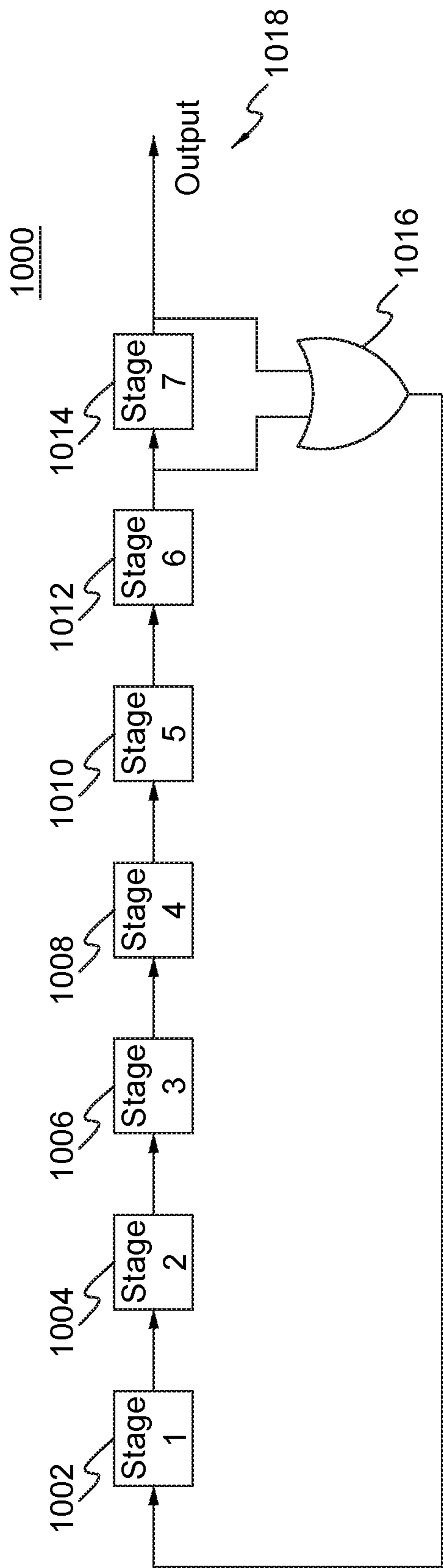


FIG. 10A

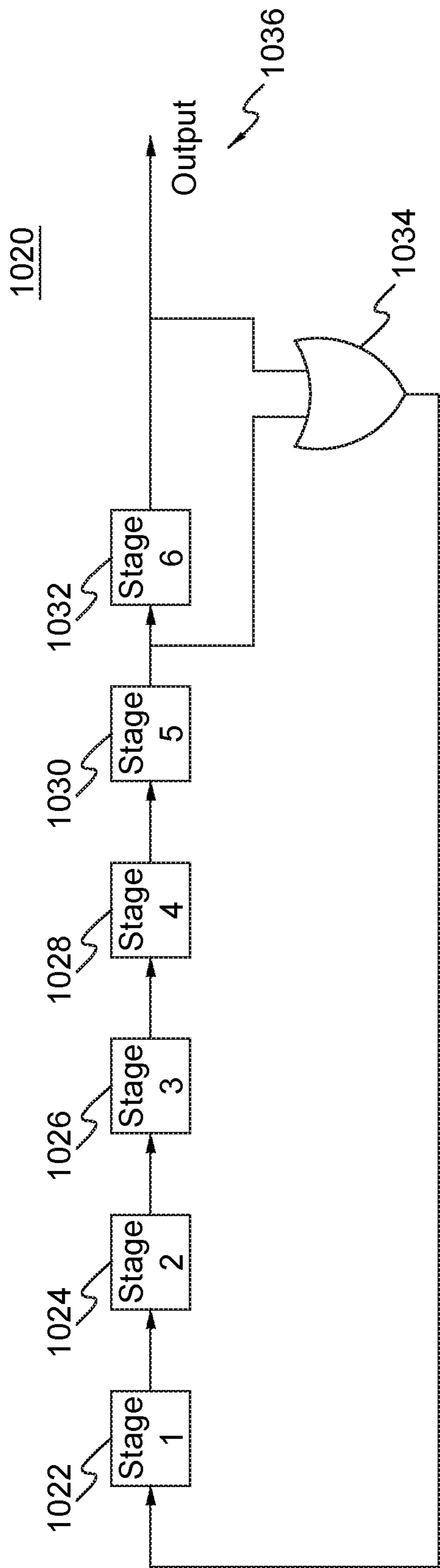


FIG. 10B

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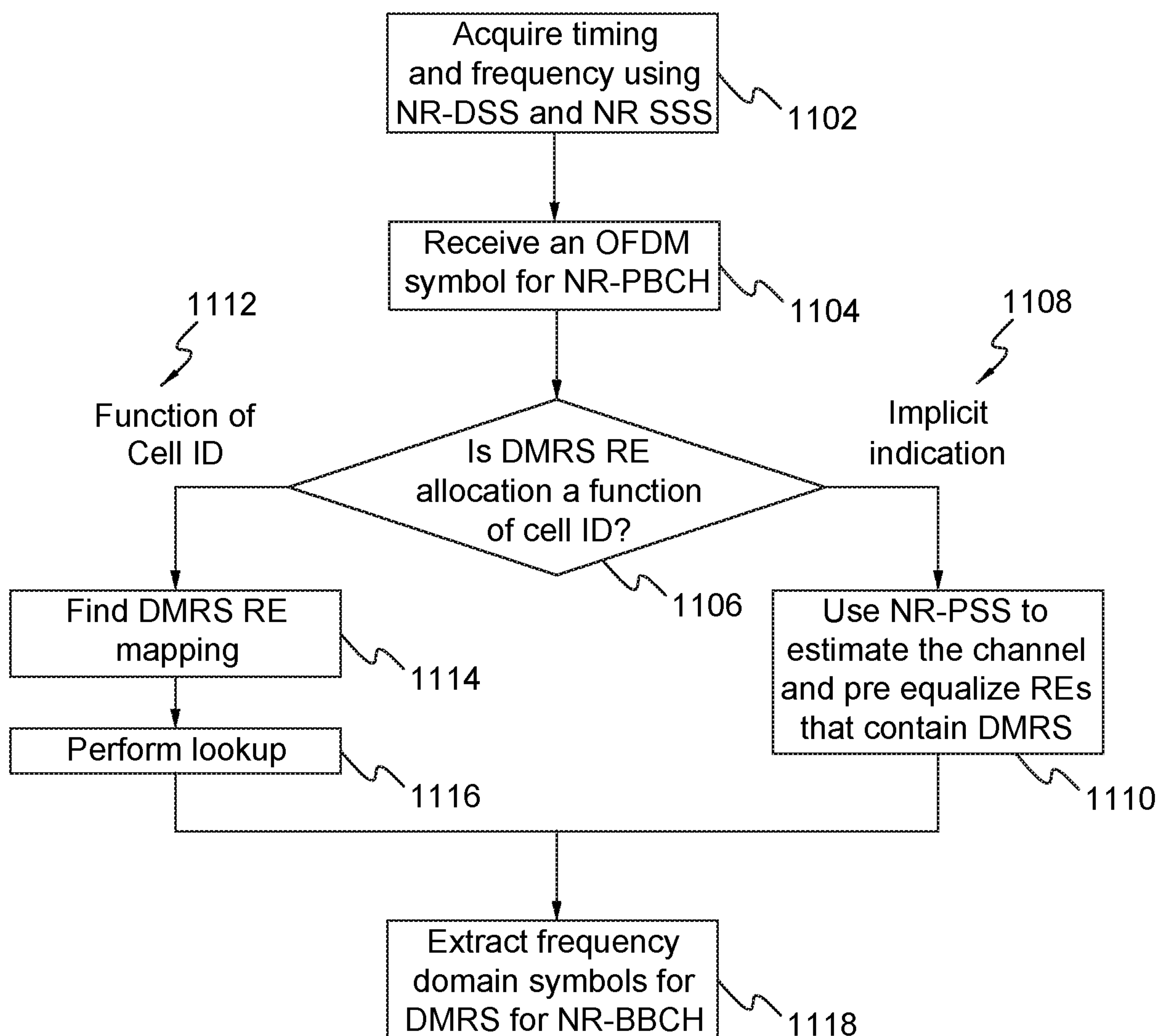
1100

FIG. 11

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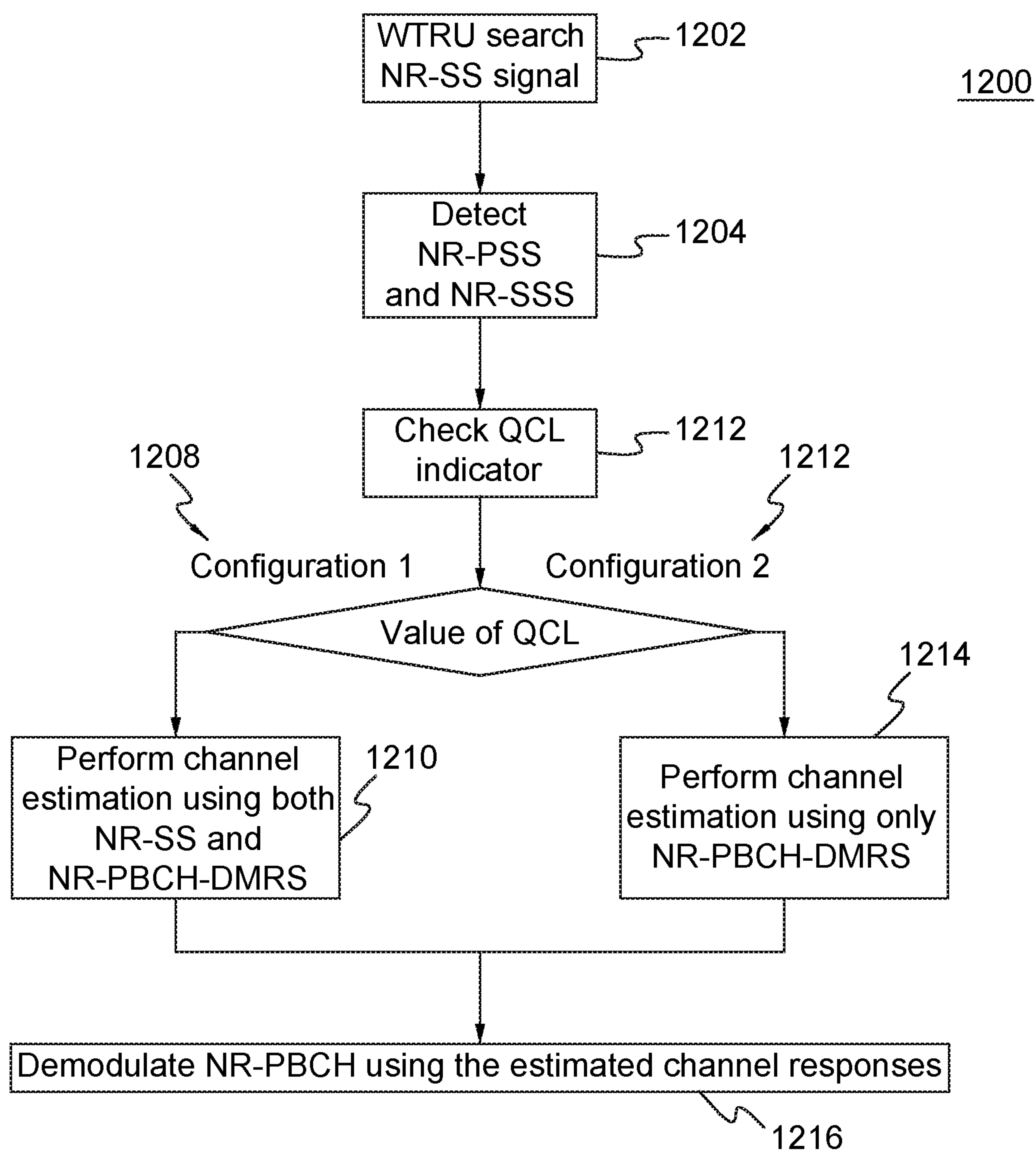


FIG. 12

1300

Repeated PBCH
messages

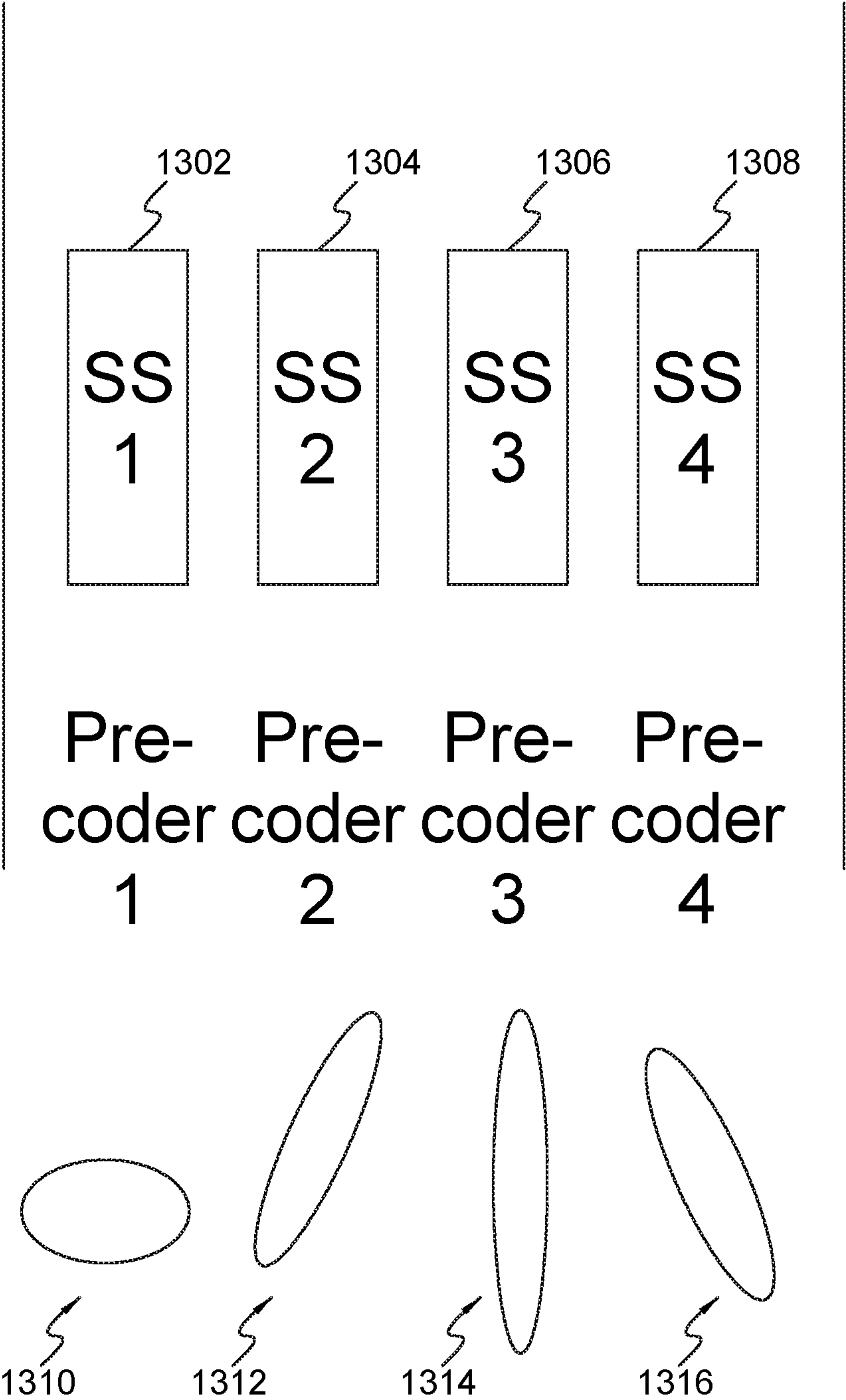


FIG. 13

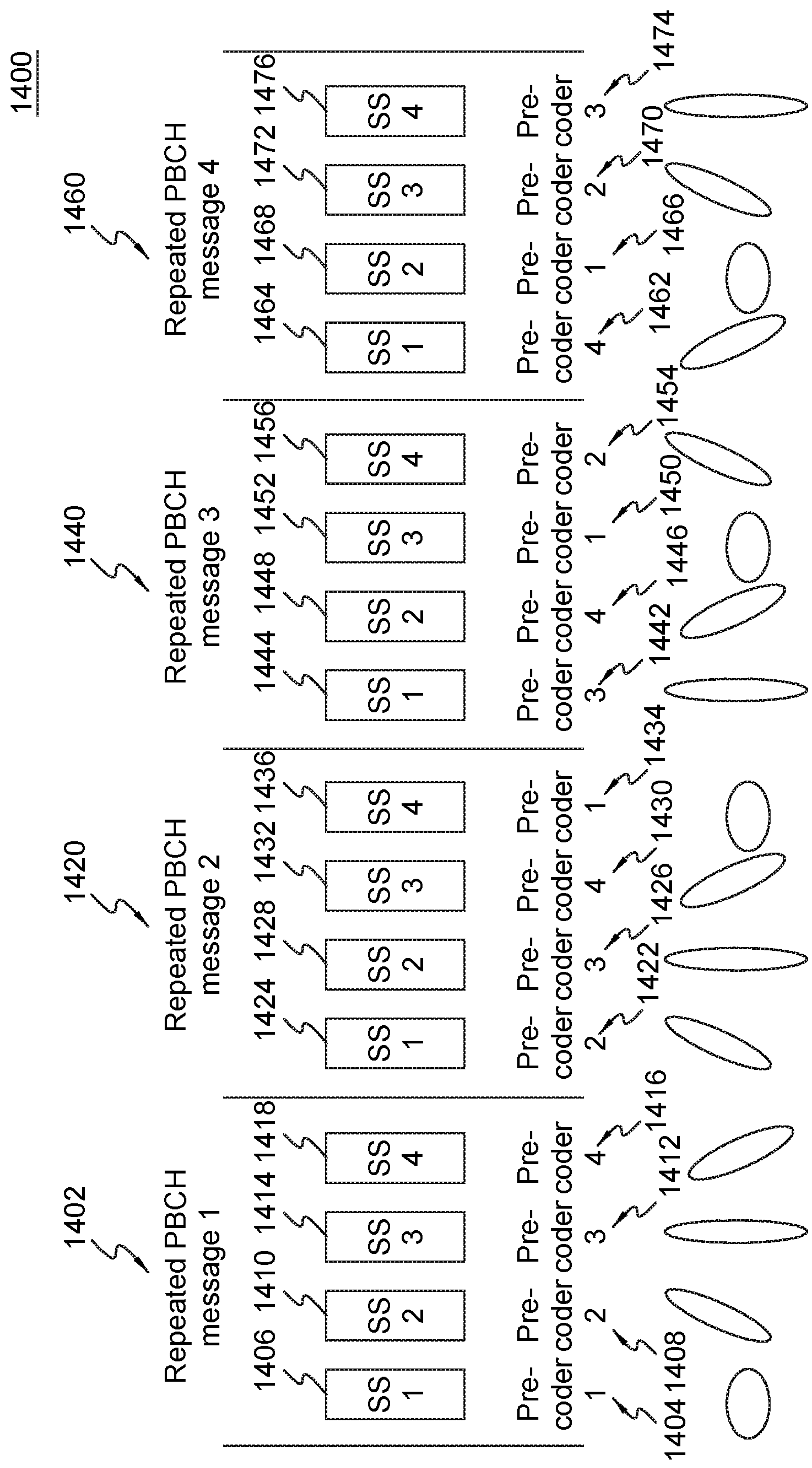


FIG. 14

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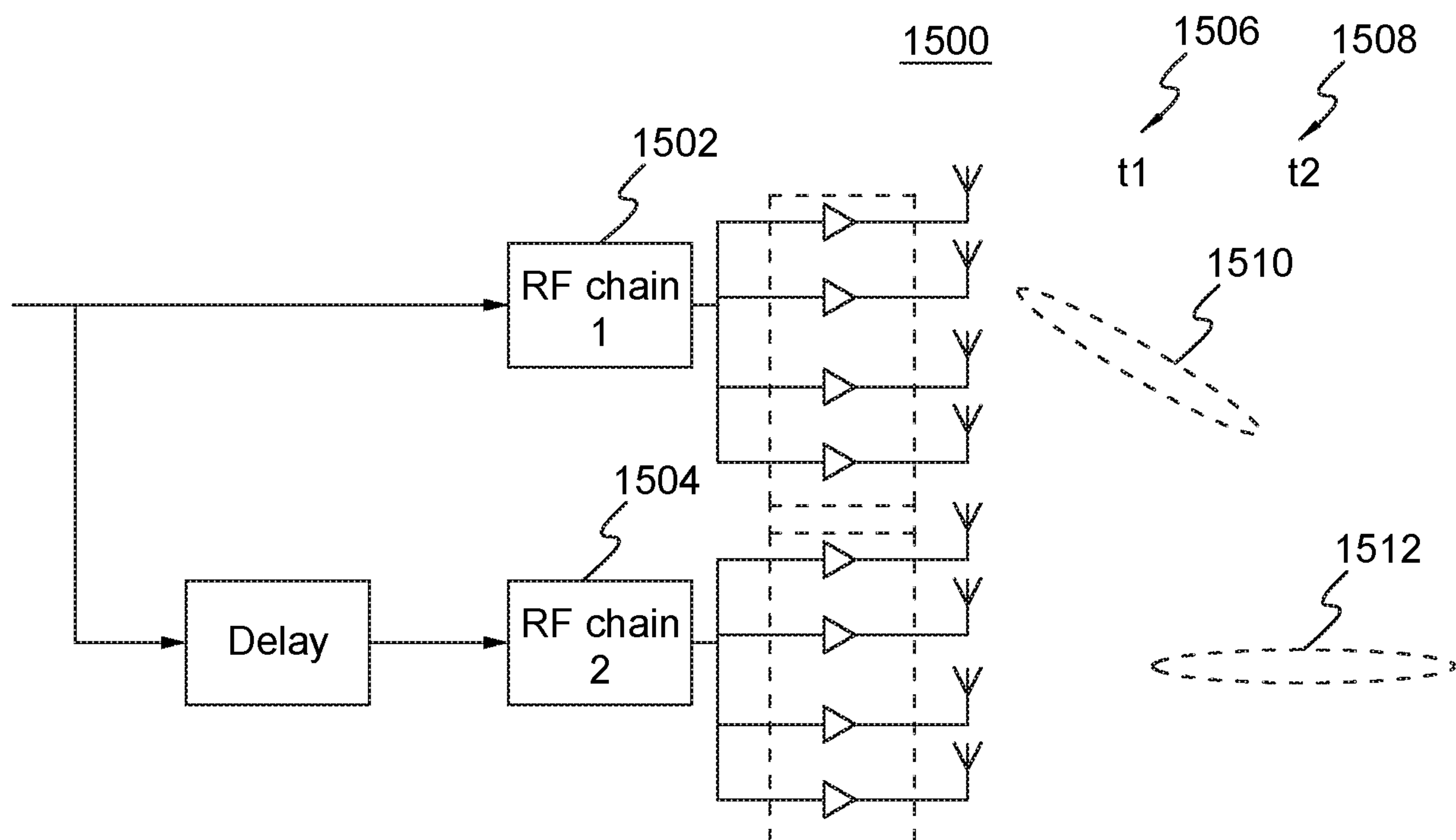


FIG. 15

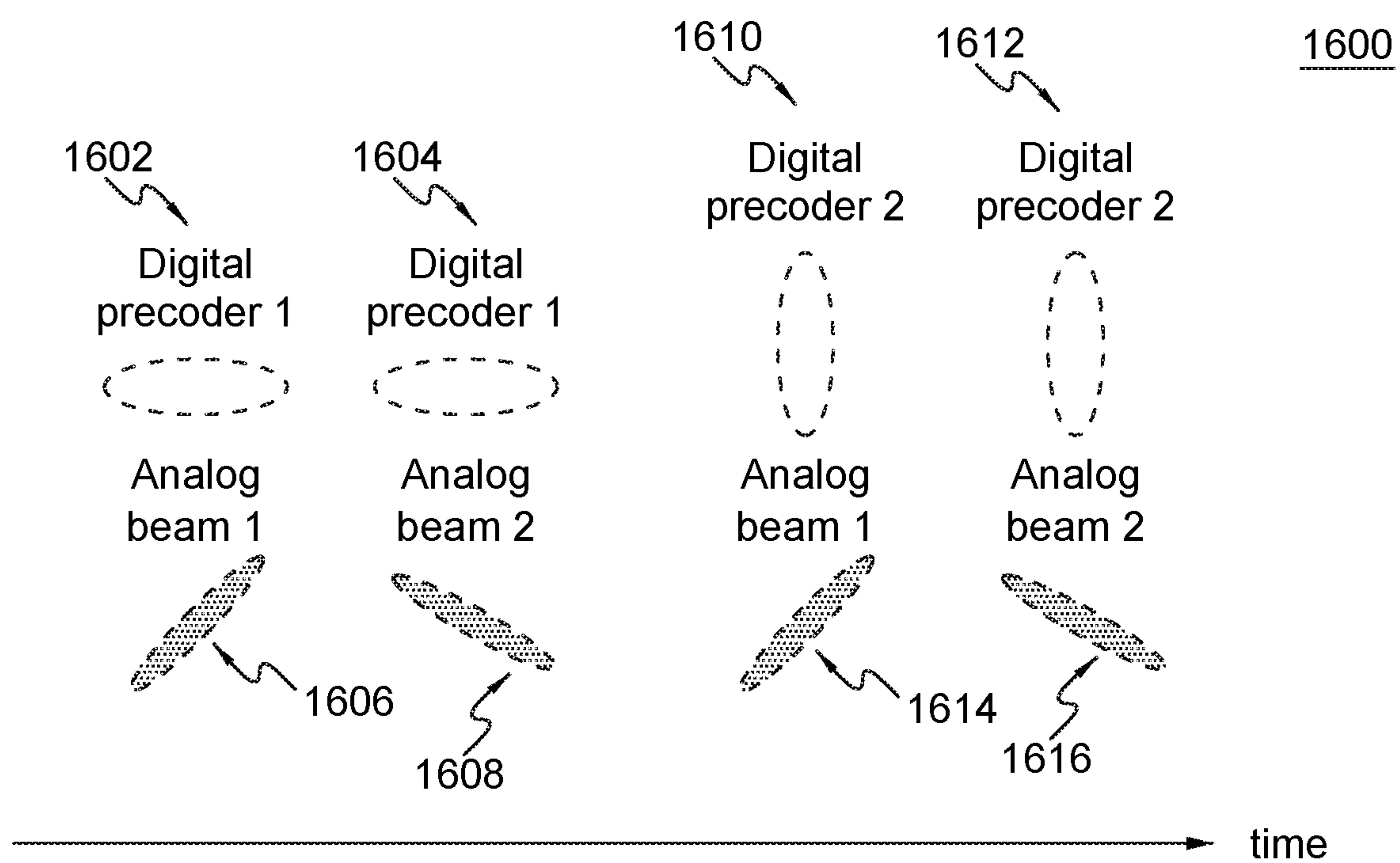


FIG. 16

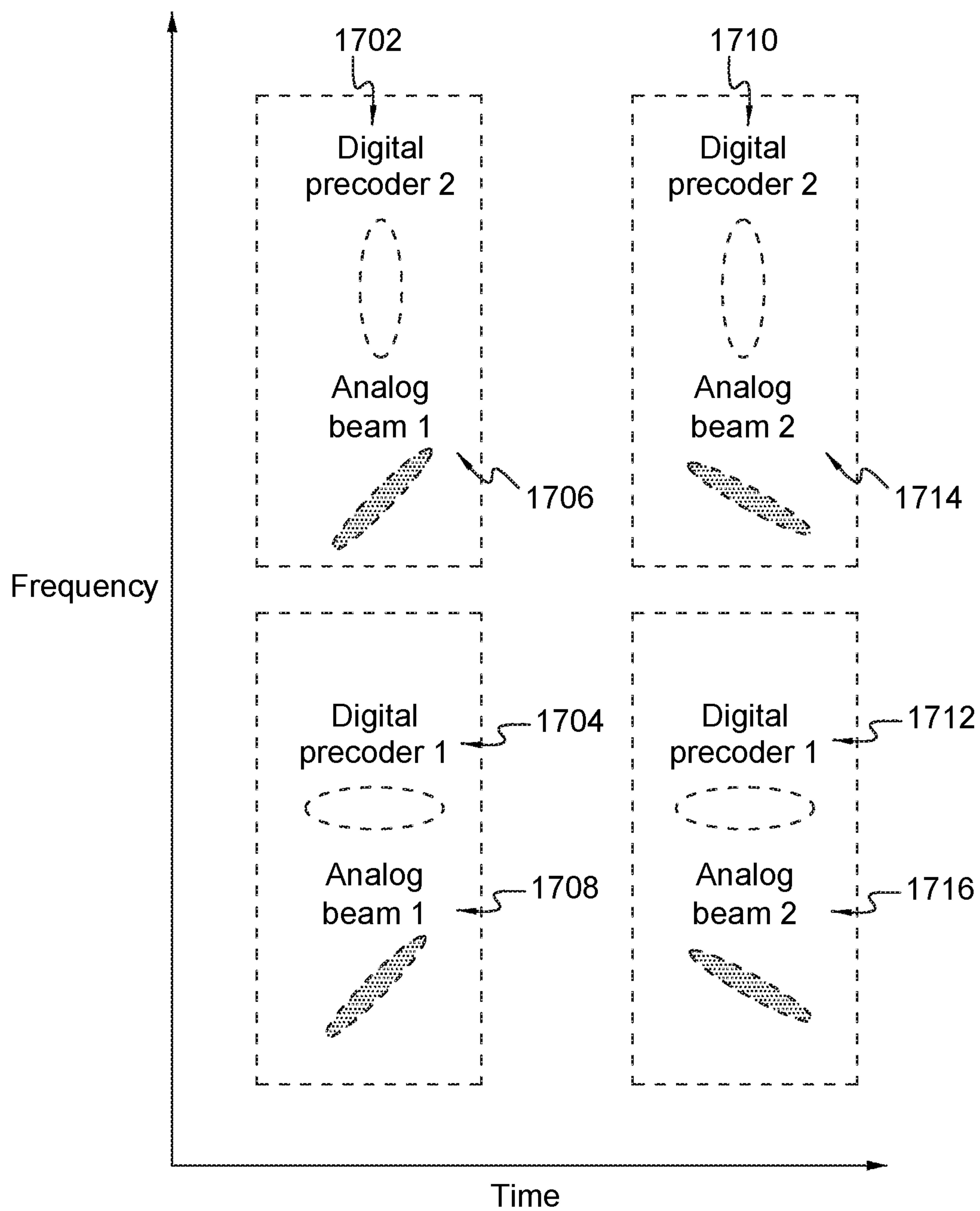


FIG. 17

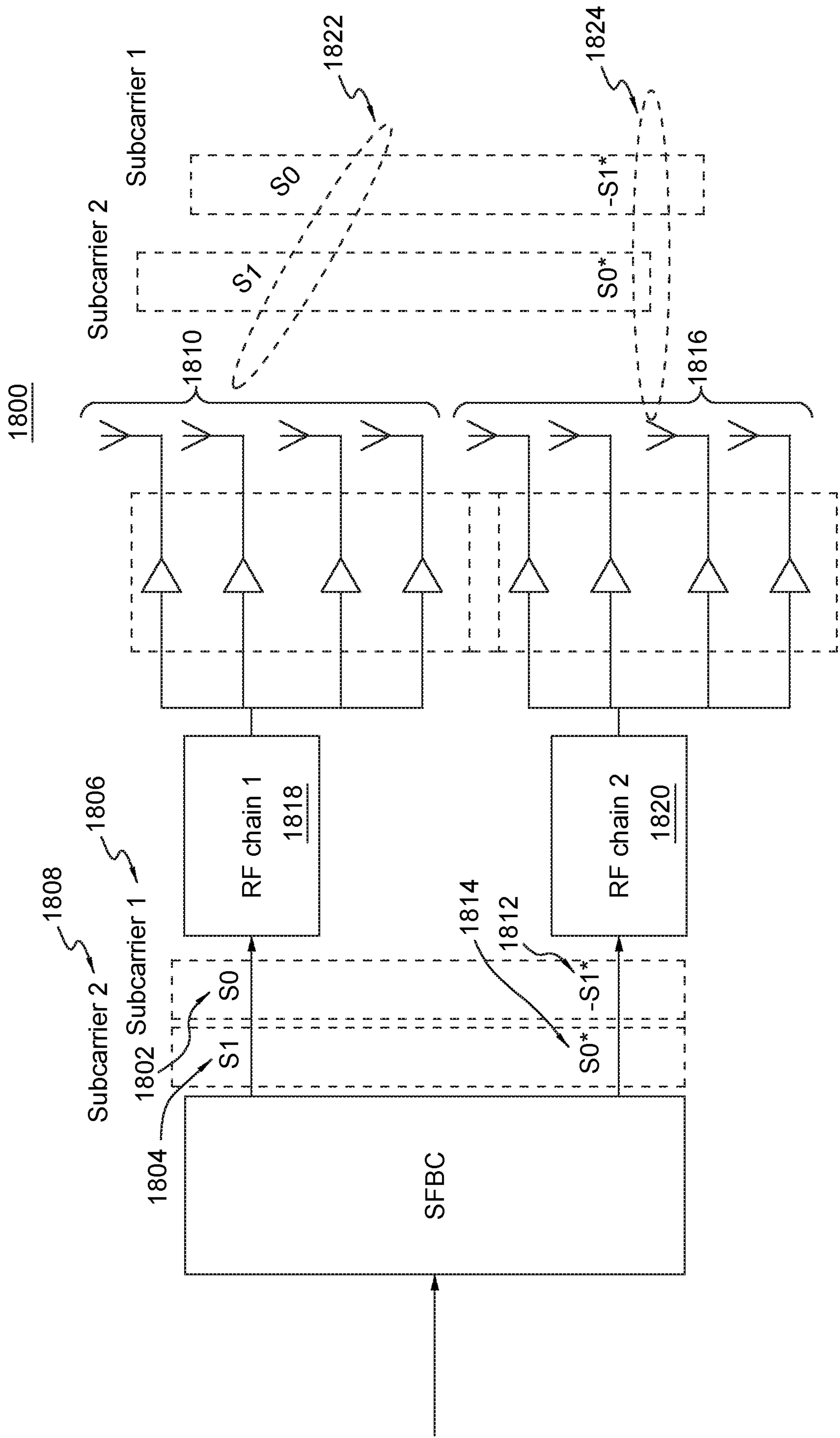


FIG. 18

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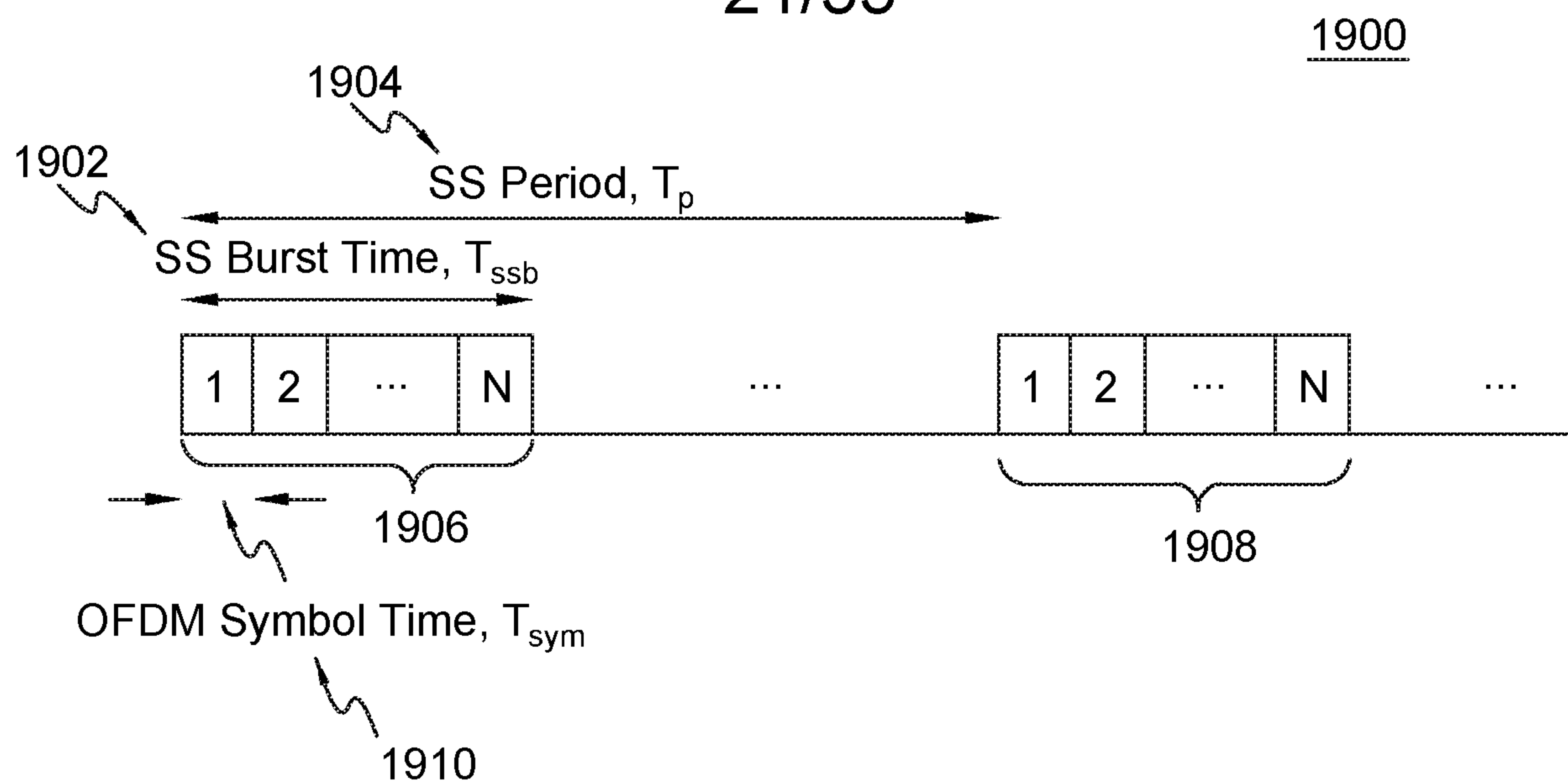


FIG. 19

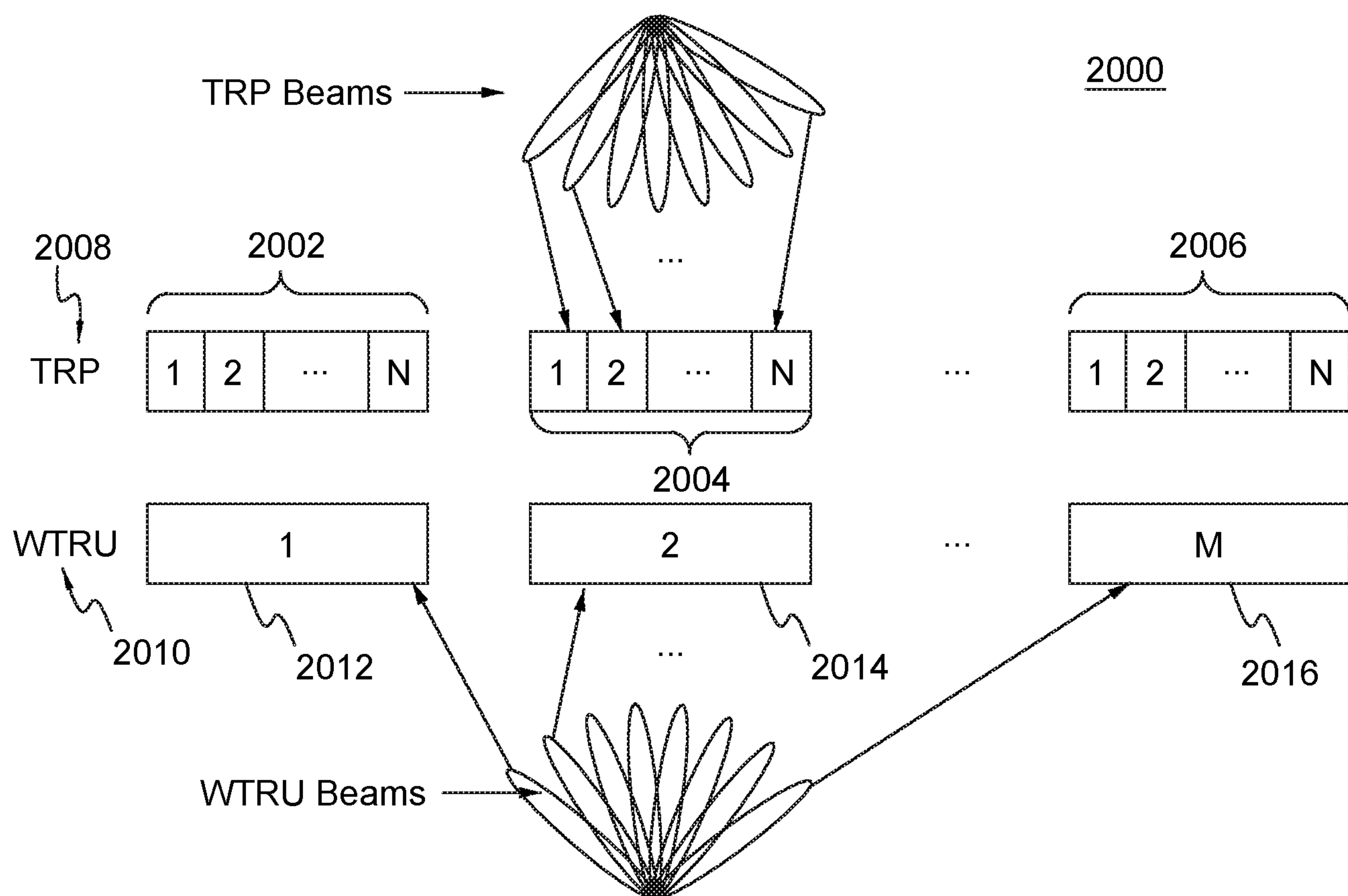


FIG. 20

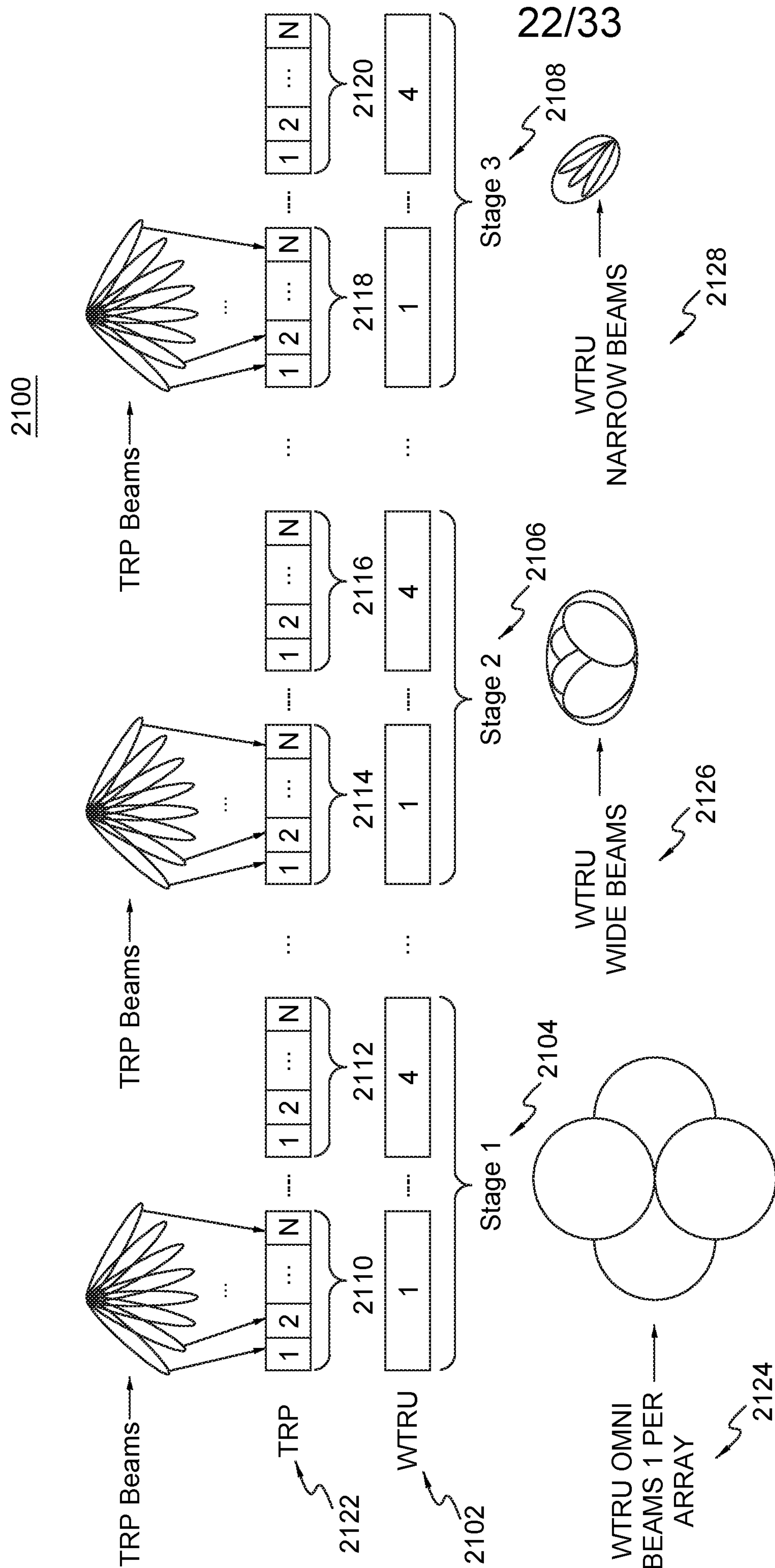


FIG. 21

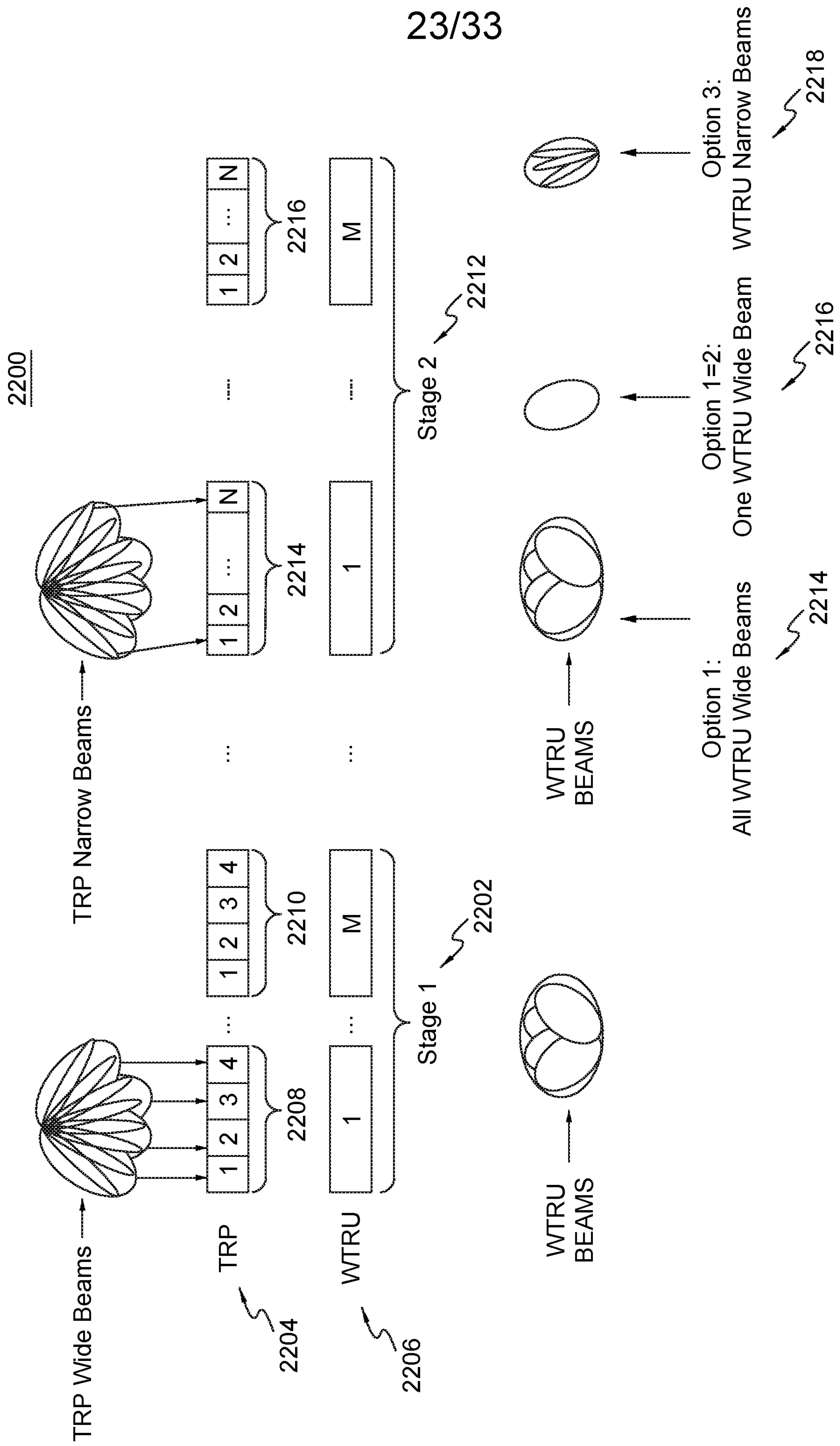


FIG. 22

2300

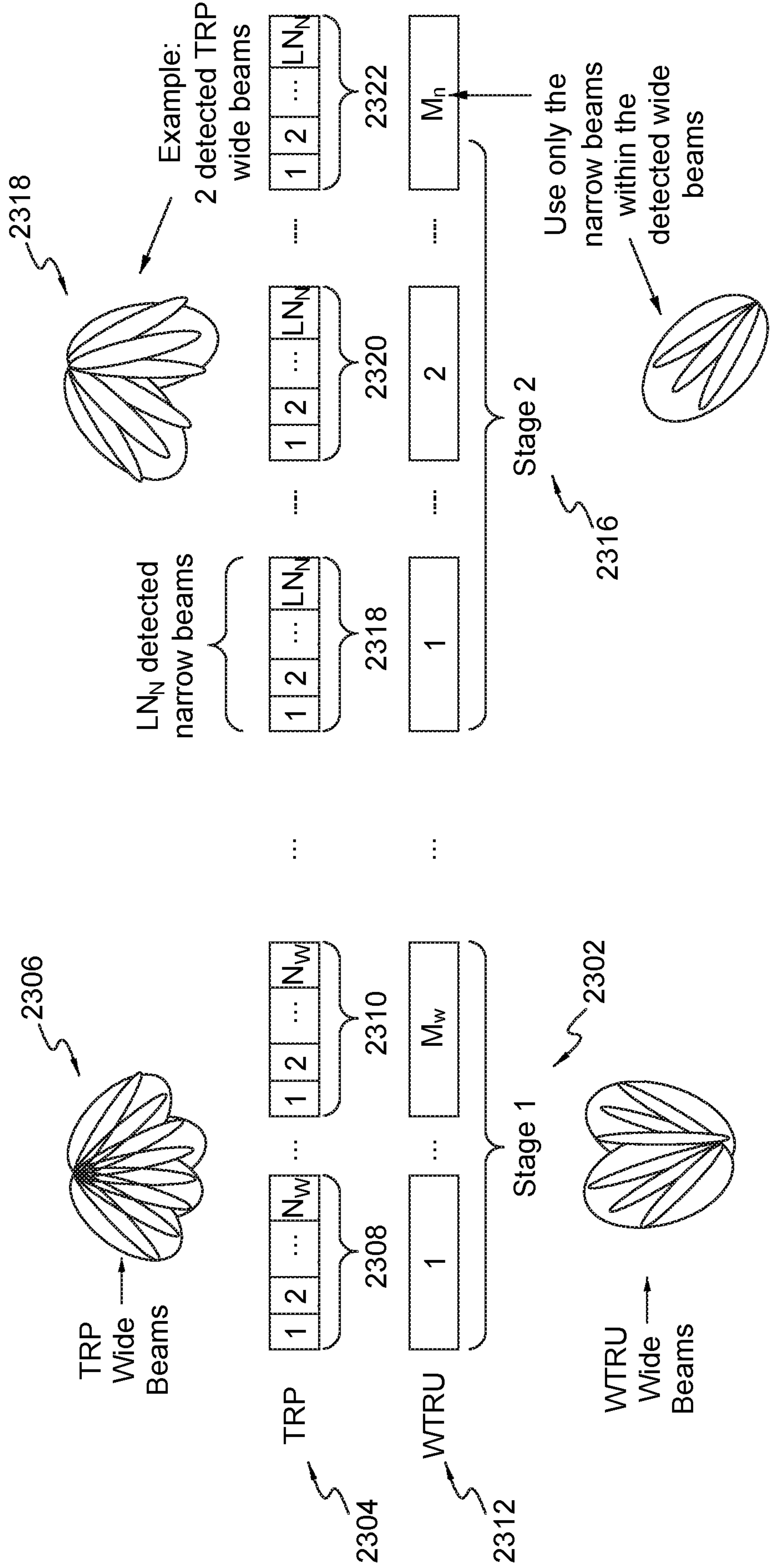


FIG. 23

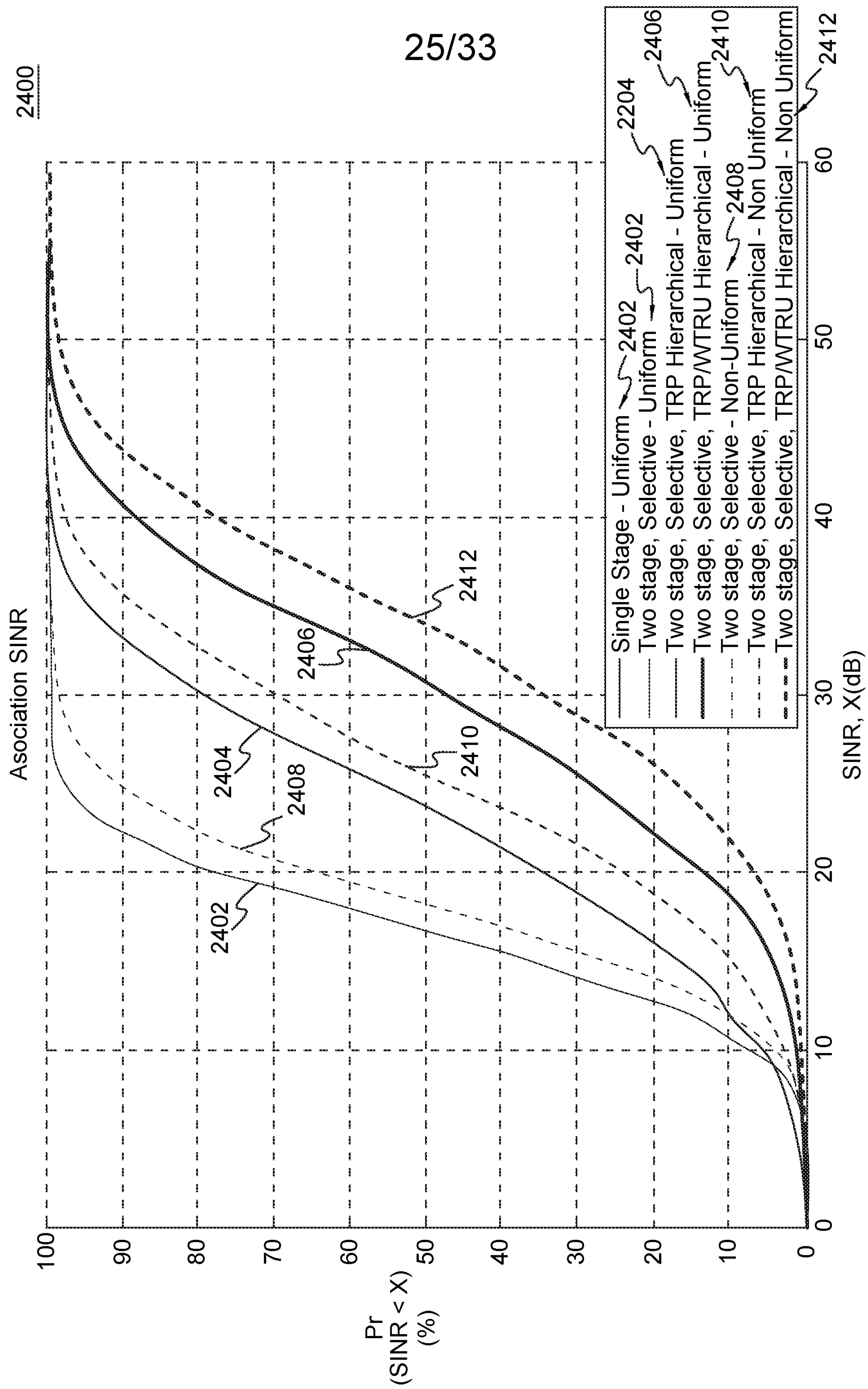


FIG. 24

2500

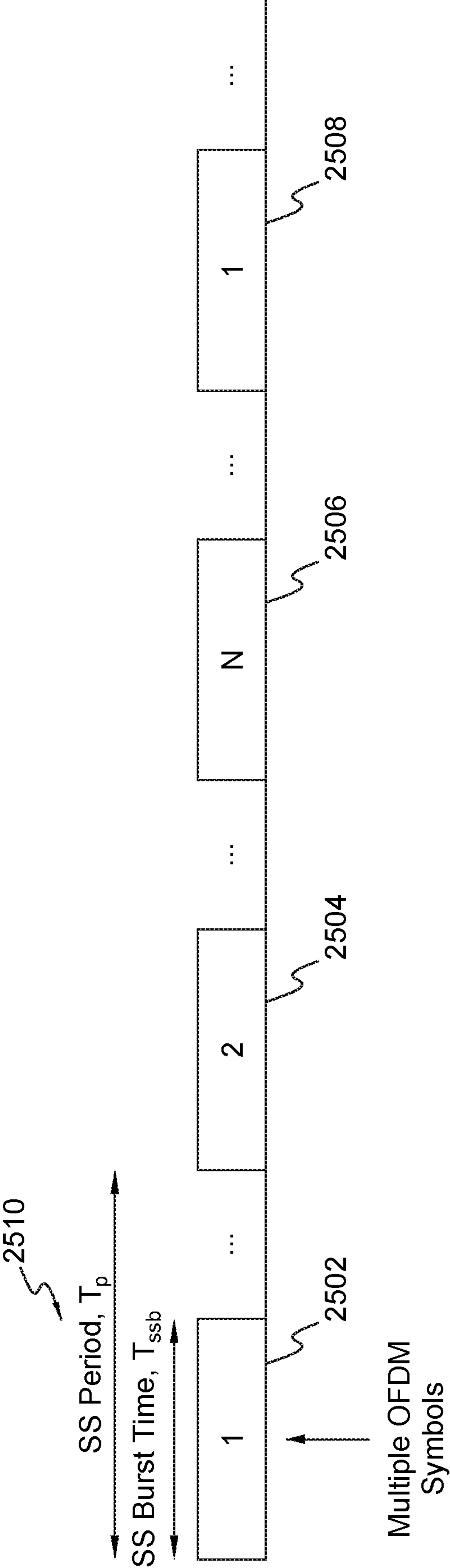


FIG. 25

2600

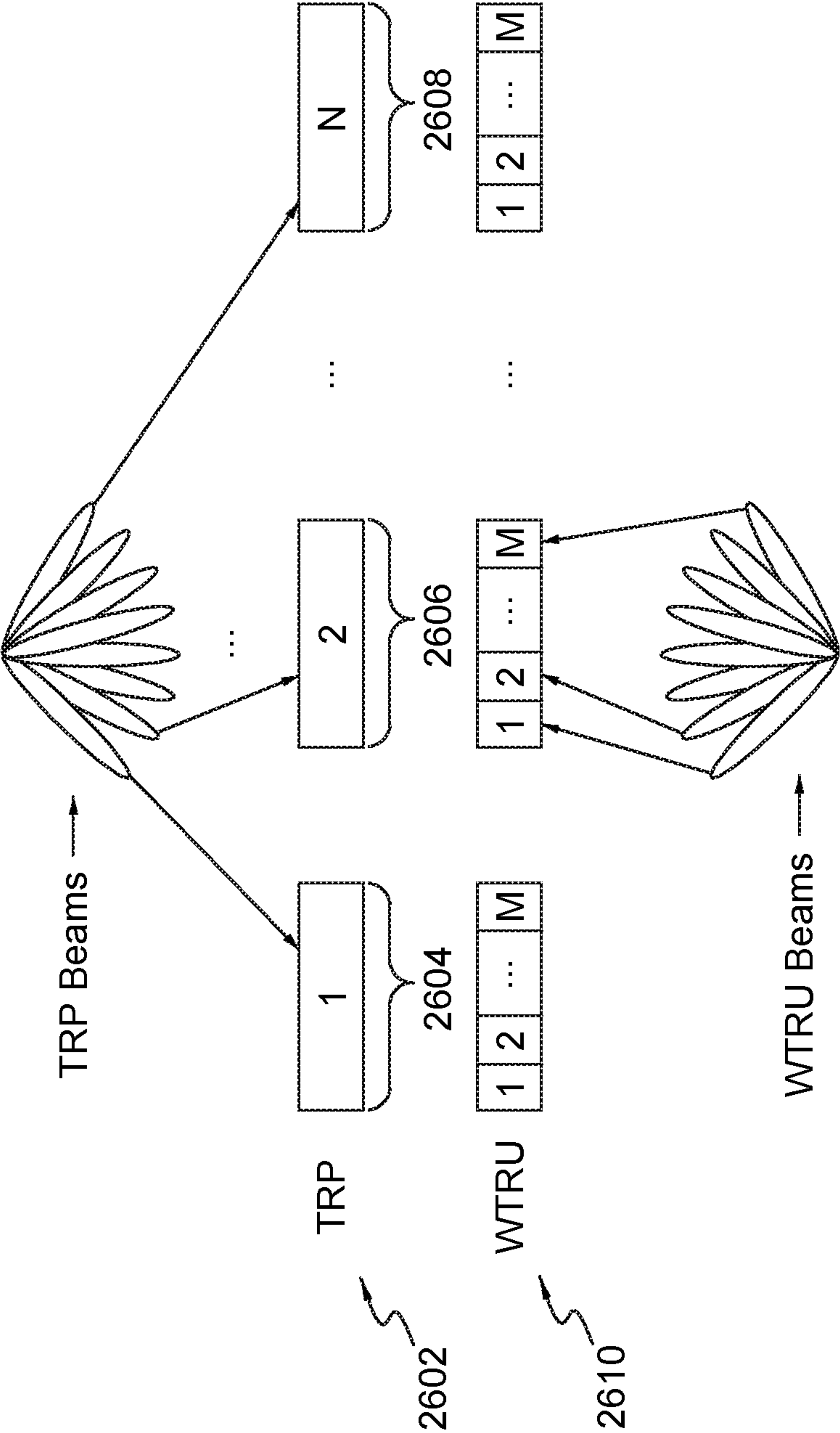


FIG. 26

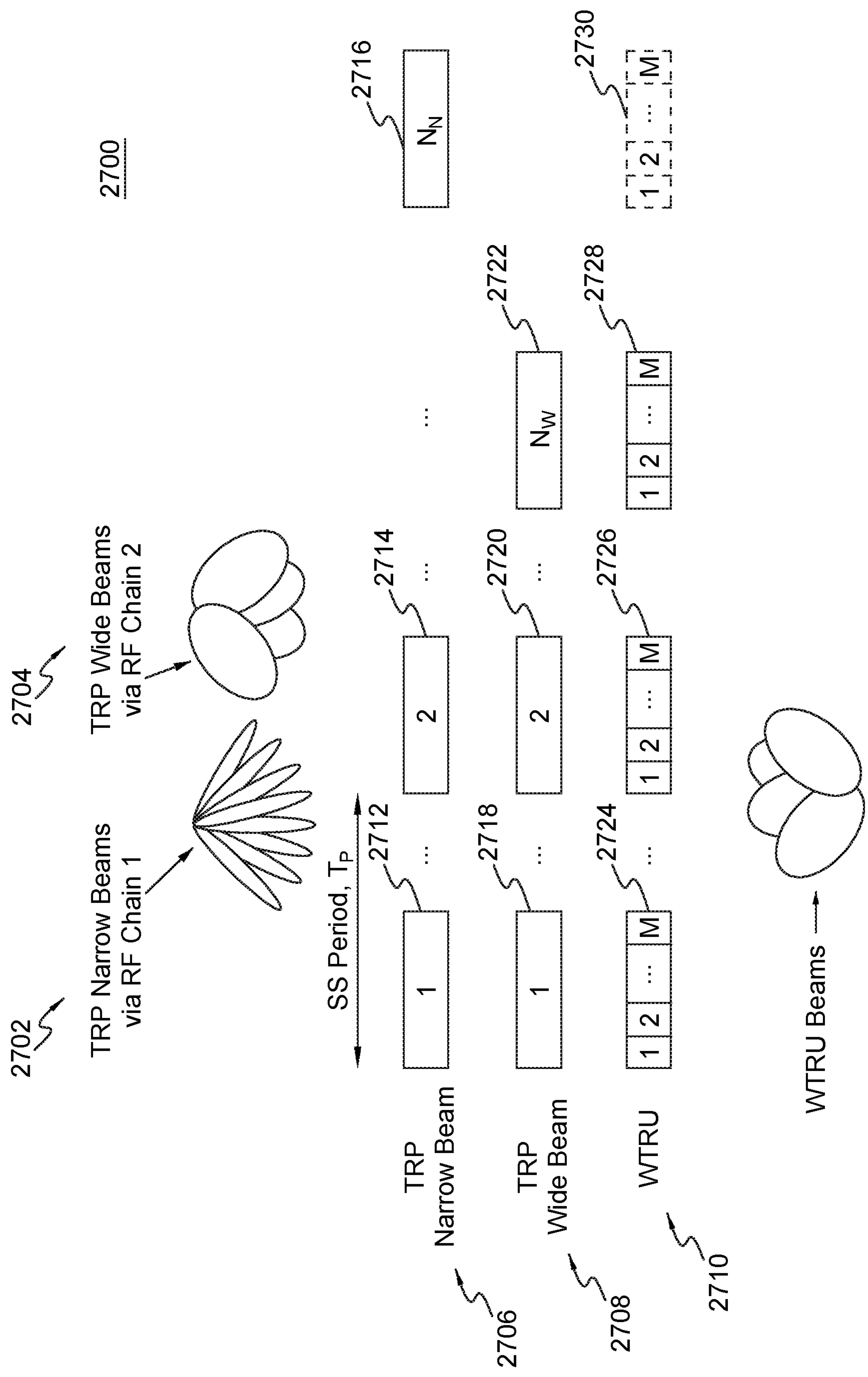


FIG. 27

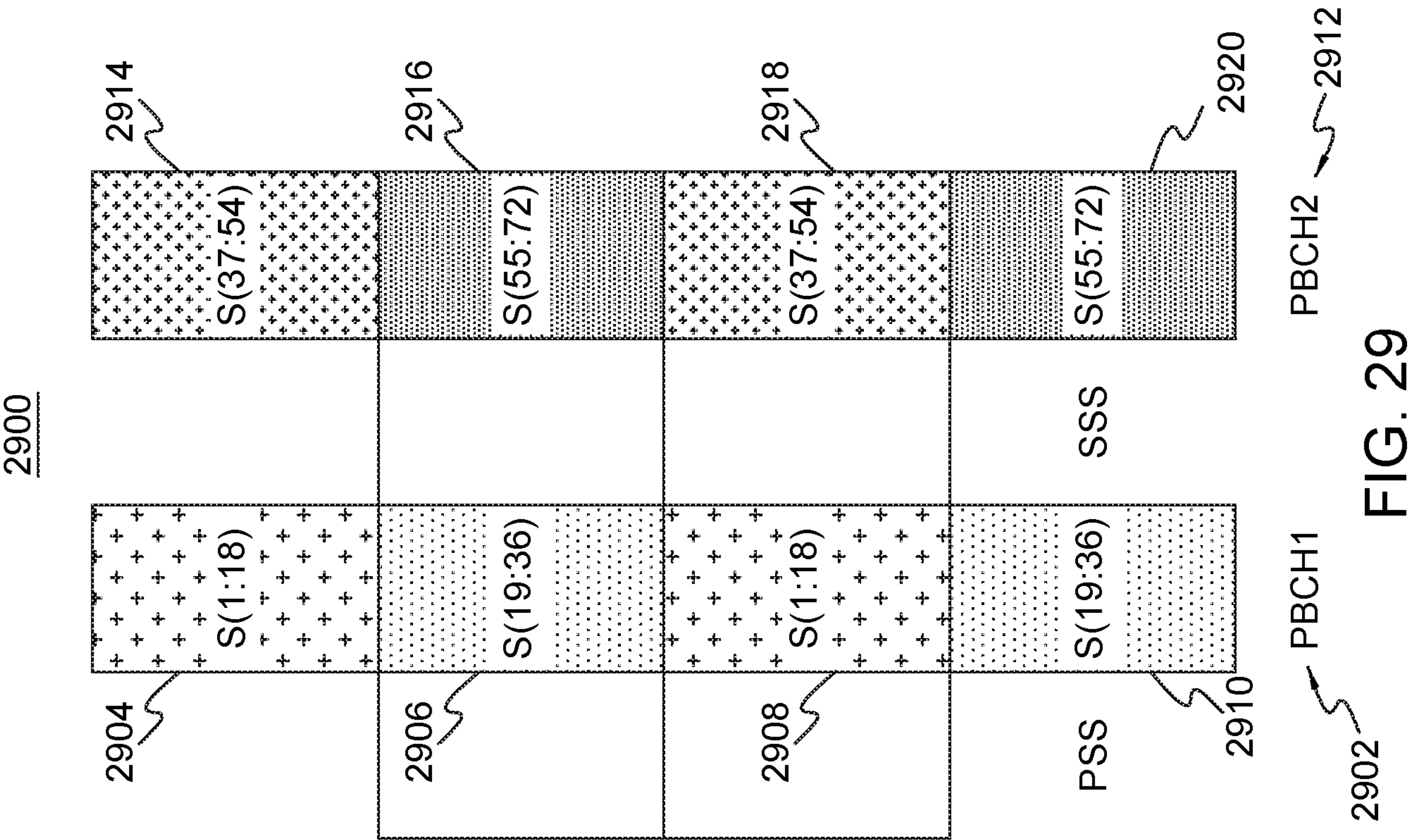


FIG. 29

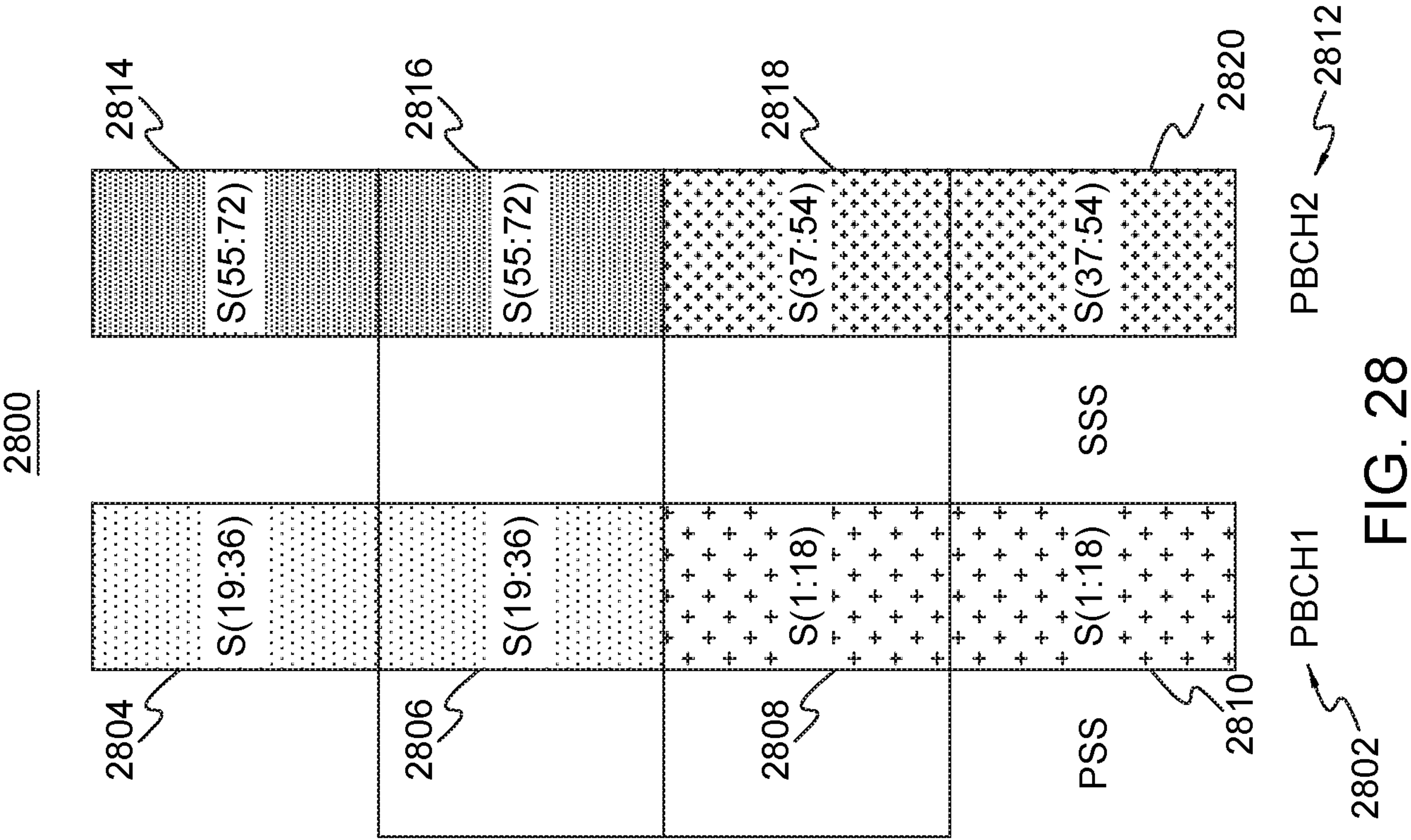
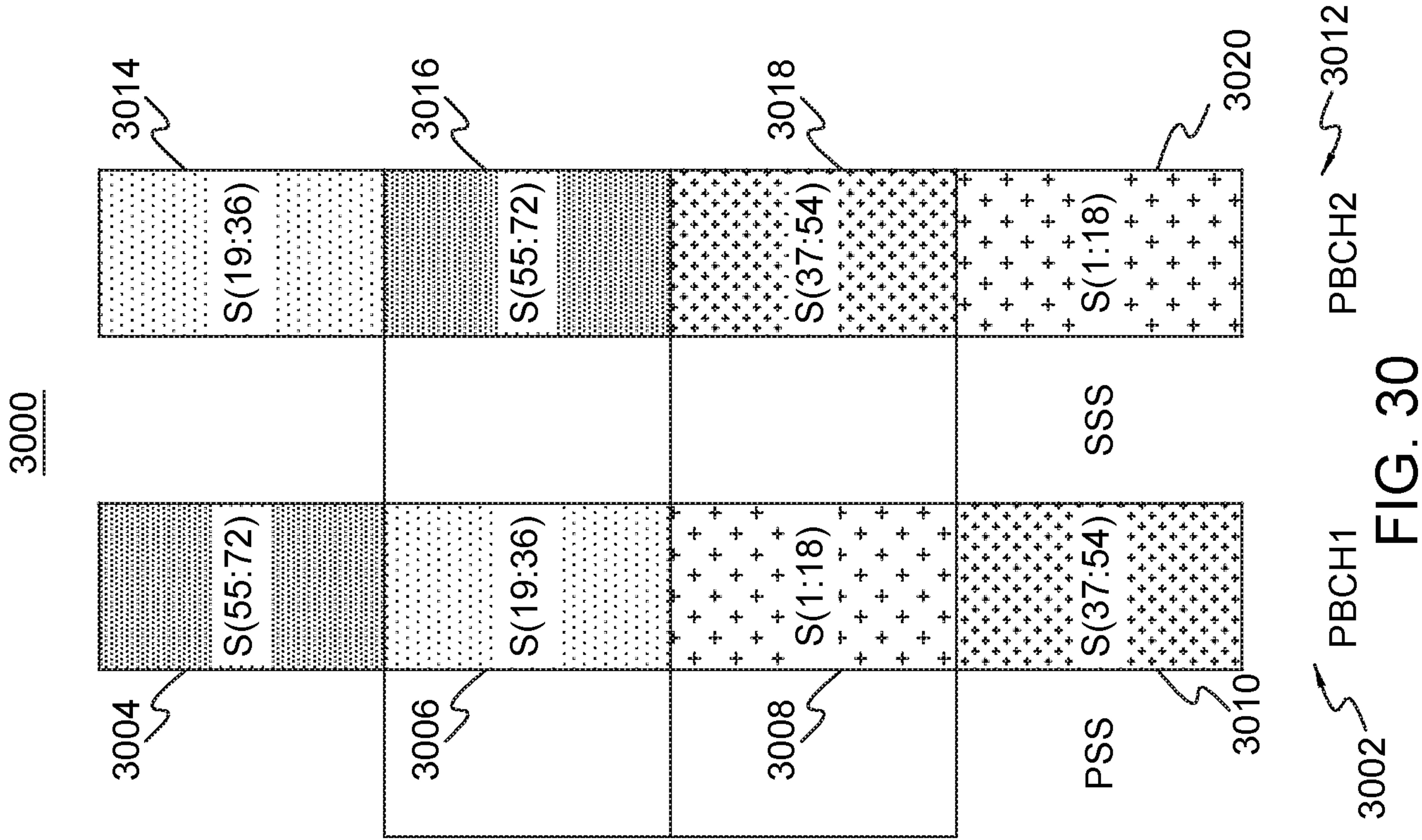
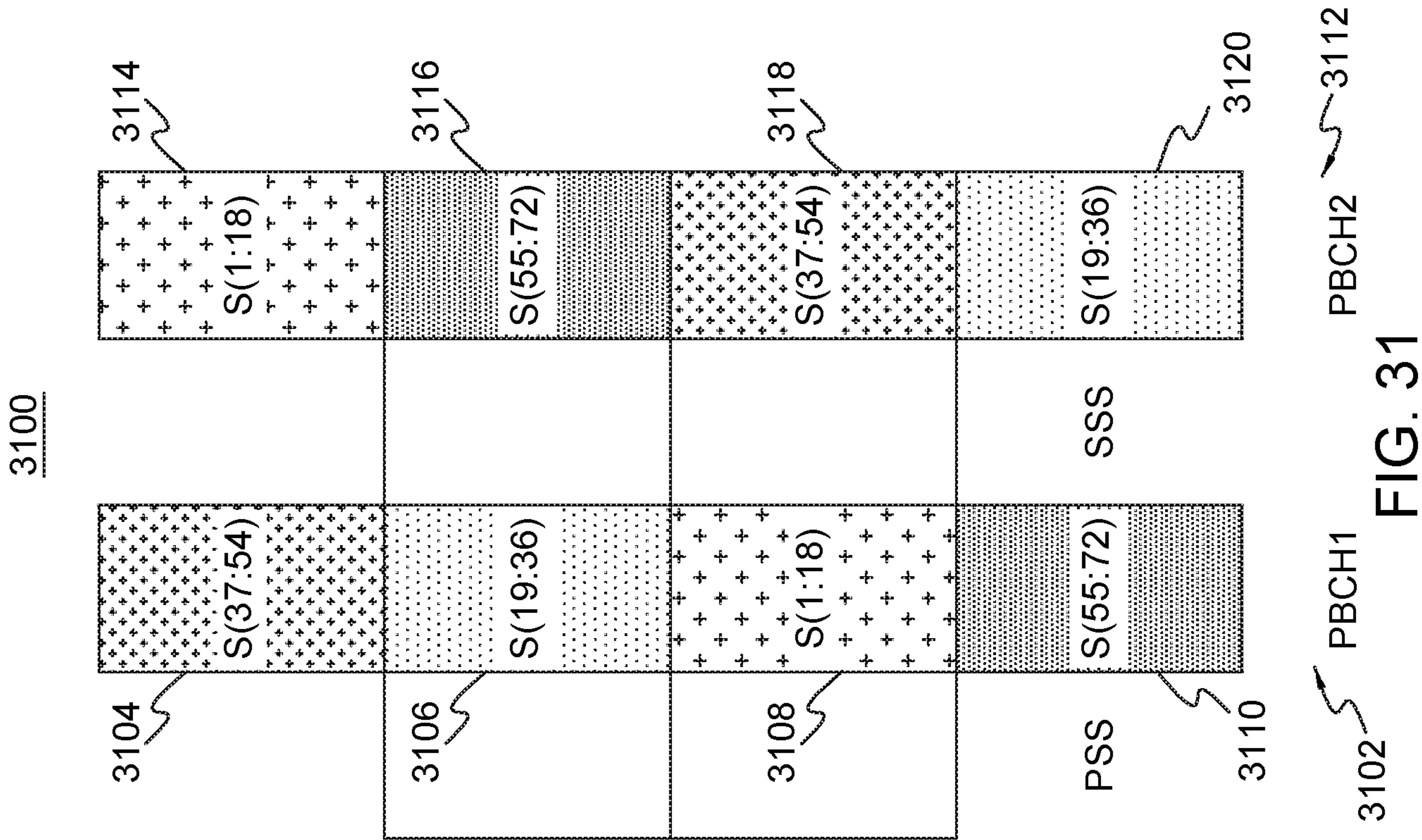


FIG. 28



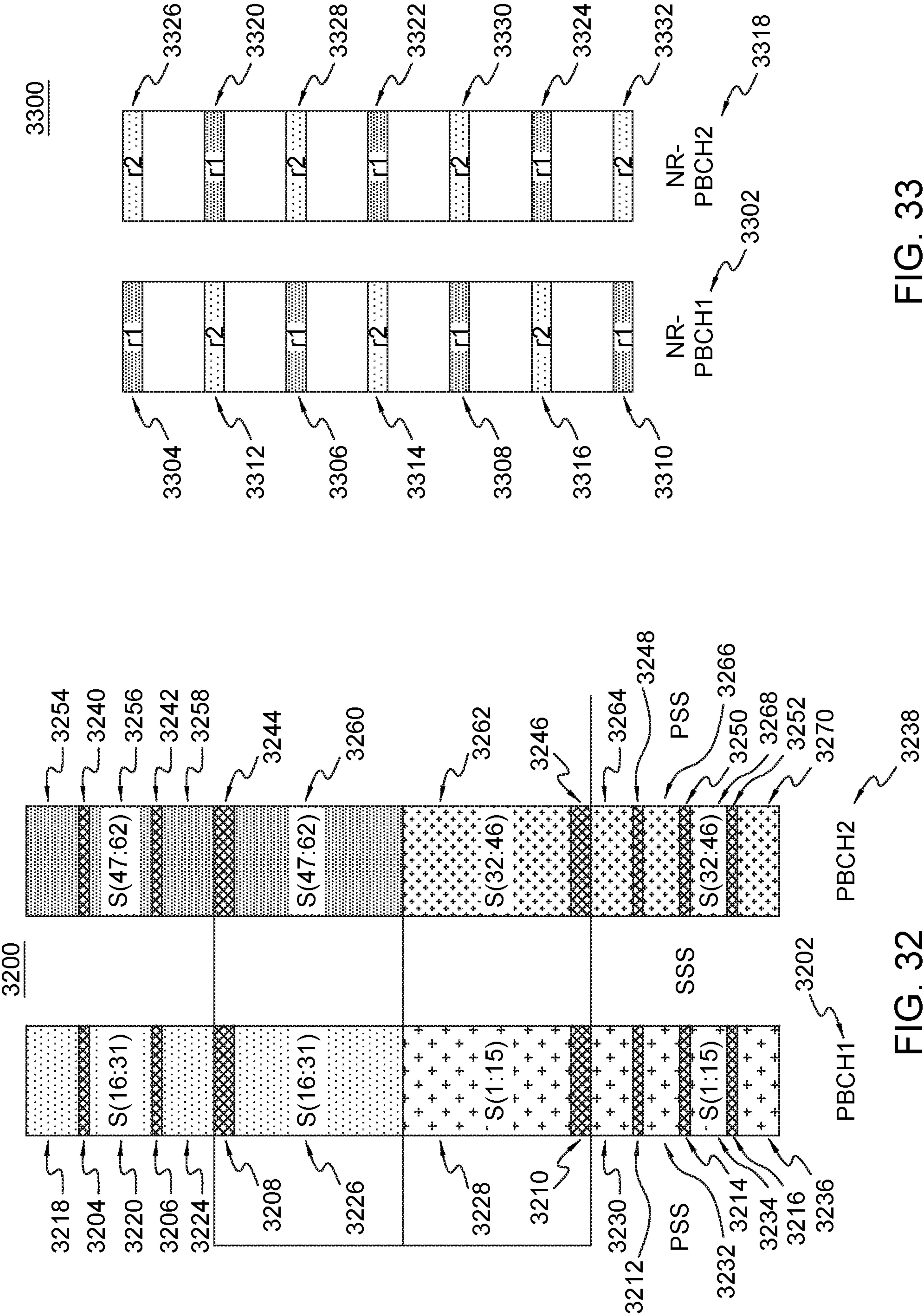


FIG. 33

FIG. 32

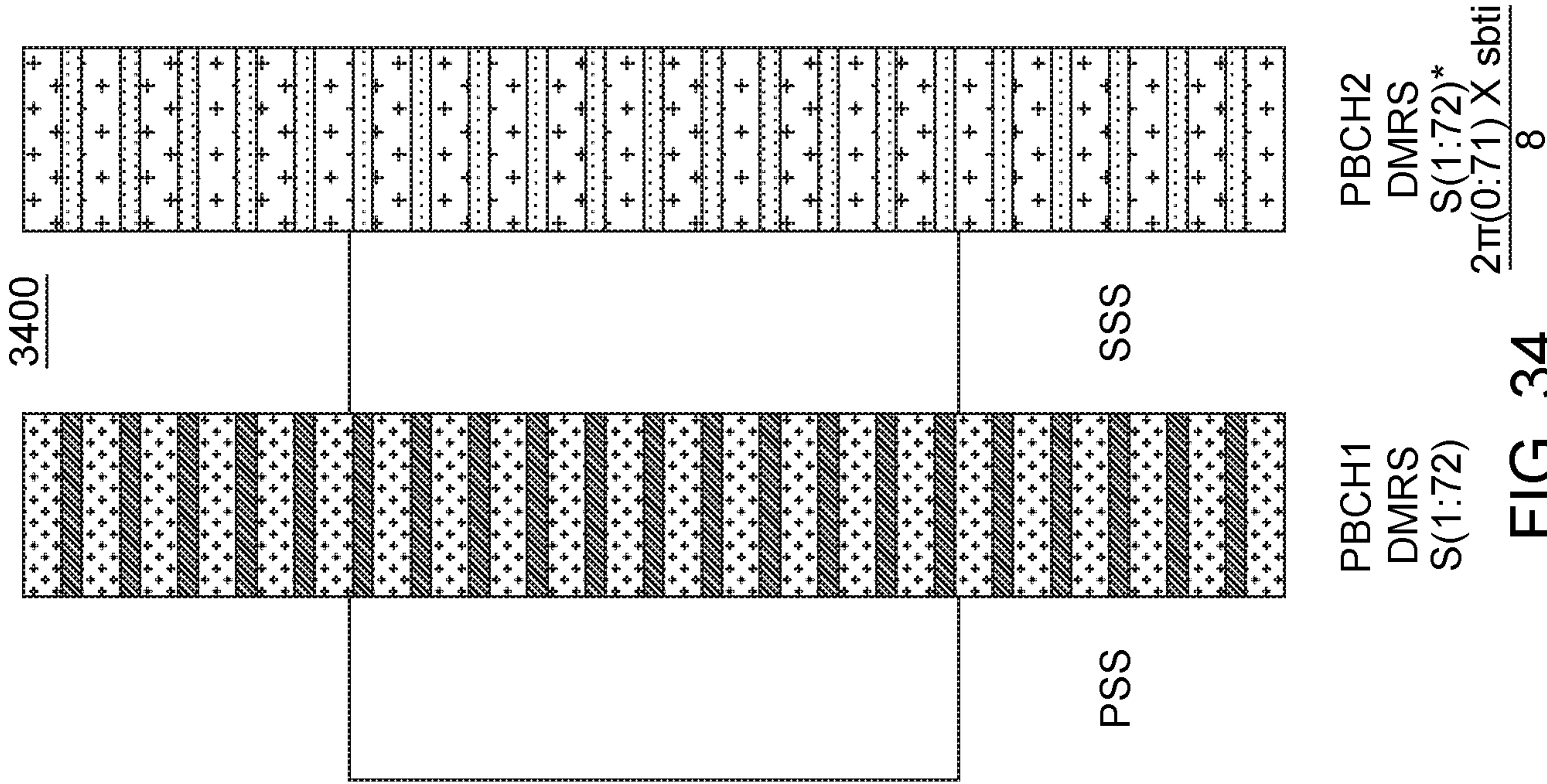
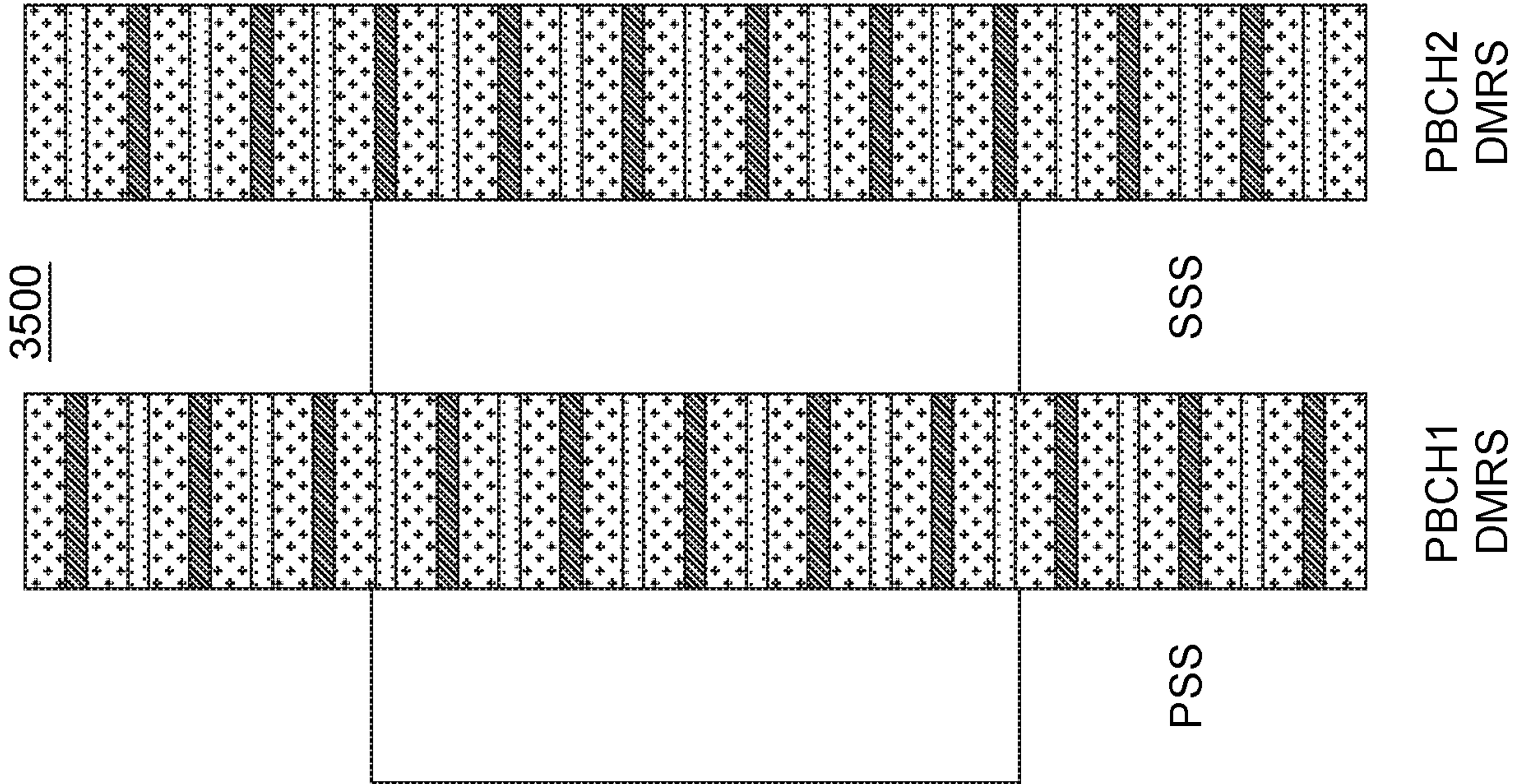


FIG. 35

FIG. 34

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
0	1.0+ 0.0i	1.0+ 0.0i	1.0+ 0.0i	1.0+ 0.0i	1.0+ 0.0i	1.0+ 0.0i	1.0+ 0.0i	1.0+ 0.0i	1.0+ 0.0i	1.0+ 0.0i	1.0+ 0.0i	1.0+ 0.0i	1.0+ 0.0i	1.0+ 0.0i	1.0+ 0.0i	1.0+ 0.0i	1.0+ 0.0i	1.0+ 0.0i
1	1.0+ 0.0i	0.7+ 0.7i	0.0+ 1.0i	-0.7 0.7i	-1.0 0.0i	-0.7 0.7i	-0.0 1.0i	0.7- 0.7i	1.0- 0.0i	0.7+ 0.7i	0.0+ 1.0i	-0.7 0.7i	-1.0 0.0i	-0.7 0.7i	-0.0 1.0i	0.7- 0.7i	1.0- 0.0i	0.7+ 0.7i
2	1.0+ 0.0i	0.0+ 1.0i	-1.0 0.0i	-0.0 1.0i	1.0- 0.0i	0.0+ 1.0i	-1.0 0.0i	-0.0 0.0i	1.0- 0.0i	0.0+ 0.0i	1.0 0.0i	-0.0 0.0i	1.0- 0.0i	-0.0 0.0i	-1.0 0.0i	-0.0 1.0i	1.0- 0.0i	-0.0 0.0i
3	1.0+ 0.0i	-0.7 0.7i	-0.0 1.0i	0.7+ 0.7i	-1.0 0.0i	0.7- 0.7i	0.0+ 1.0i	-0.7 0.7i	1.0- 0.0i	-0.7 0.7i	-0.0 1.0i	0.7+ 0.7i	-1.0 0.0i	0.7- 0.7i	-0.0 0.0i	-0.7 0.7i	1.0- 0.0i	-0.7 0.7i
4	1.0+ 0.0i	-1.0 0.0i	1.0- 0.0i	-1.0 0.0i	1.0- 0.0i	-1.0 0.0i	1.0- 0.0i	-1.0 0.0i	1.0- 0.0i	-1.0 0.0i	1.0- 0.0i	-1.0 0.0i	1.0- 0.0i	-1.0 0.0i	1.0- 0.0i	-1.0 0.0i	1.0- 0.0i	-1.0 0.0i
5	1.0+ 0.0i	-0.7 0.7i	0.0+ 1.0i	0.7- 0.7i	-1.0 0.0i	0.7+ 0.7i	-0.0 1.0i	-0.7 0.7i	1.0- 0.0i	-0.7 0.7i	-0.0 1.0i	0.7- 0.7i	-1.0 0.0i	0.7+ 0.7i	-0.0 0.0i	-0.7 0.7i	1.0- 0.0i	-0.7 0.7i
6	1.0+ 0.0i	-0.0 1.0i	-1.0 0.0i	0.0+ 1.0i	-1.0 0.0i	-0.0 1.0i	-1.0 0.0i	-0.0 1.0i	1.0- 0.0i	-0.0 1.0i	-1.0 0.0i	0.0+ 1.0i	1.0- 0.0i	-0.0 0.0i	-1.0 0.0i	0.0+ 0.0i	1.0- 0.0i	-0.0 0.0i
7	1.0+ 0.0i	0.7- 0.7i	-0.0 1.0i	-0.7 0.7i	-1.0 0.0i	-0.0 1.0i	-0.0 0.0i	0.7+ 0.7i	1.0- 0.0i	0.7- 0.7i	-0.0 1.0i	-0.7 0.7i	-1.0 0.0i	-0.7 0.7i	0.0+ 0.0i	0.7+ 0.7i	1.0- 0.0i	0.7- 0.7i

Table 1: Values of DMRS REs with Cyclic shifts using SBTI

FIG. 36