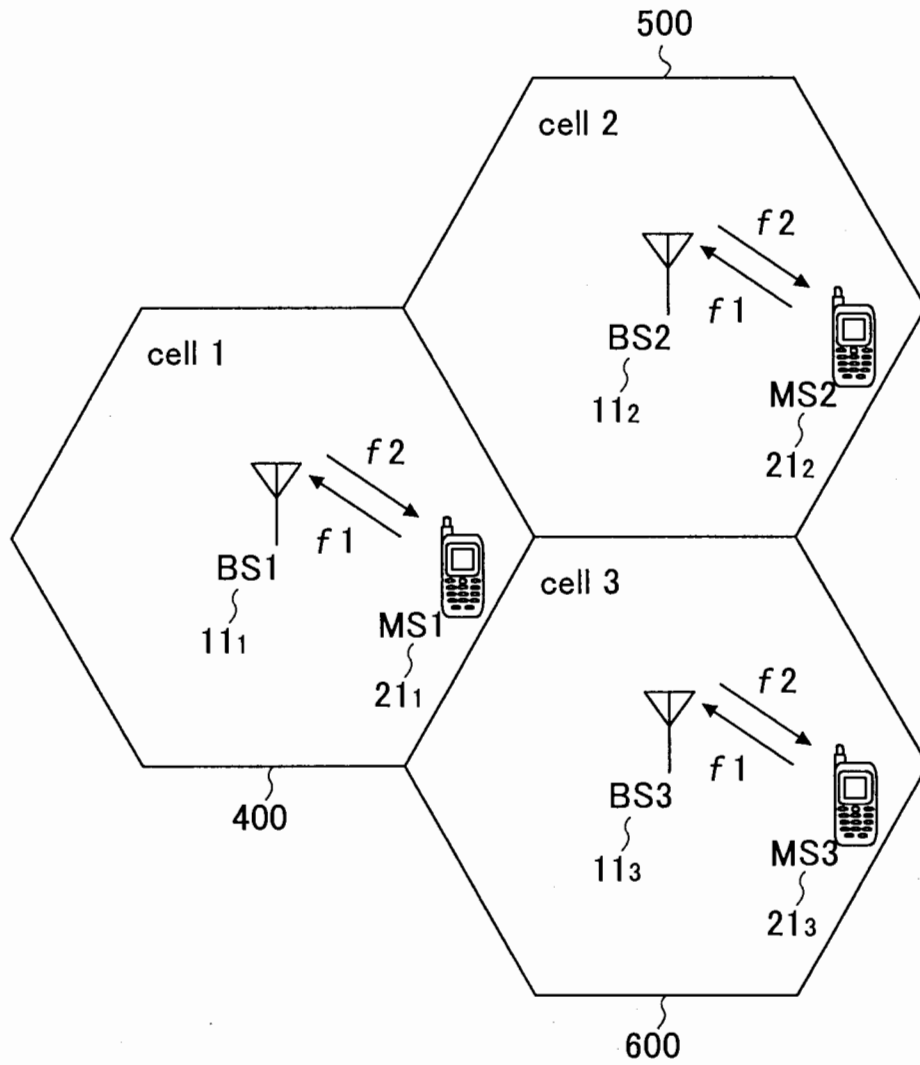


1/17

FIG.1 PRIOR ART



2/17

FIG.2 PRIOR ART

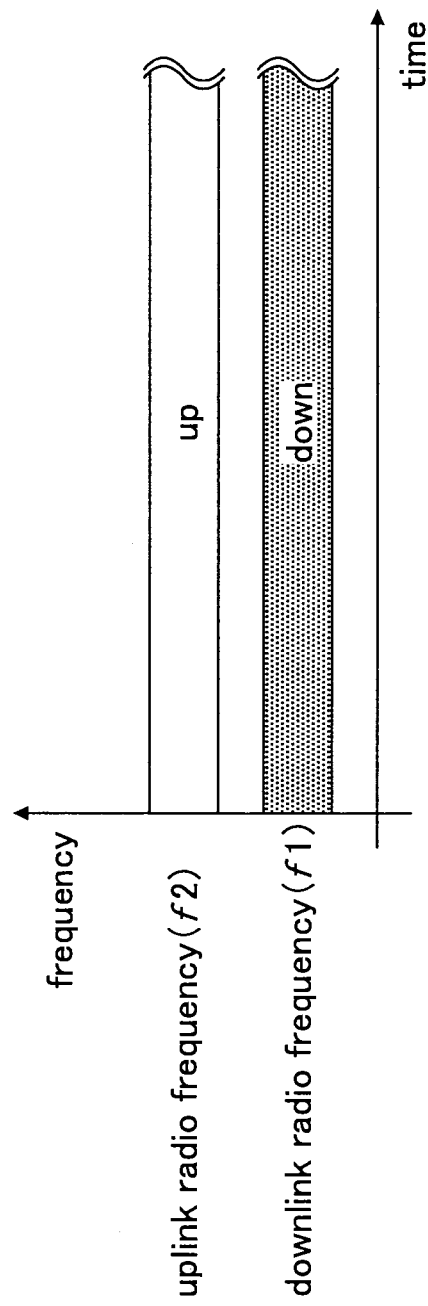
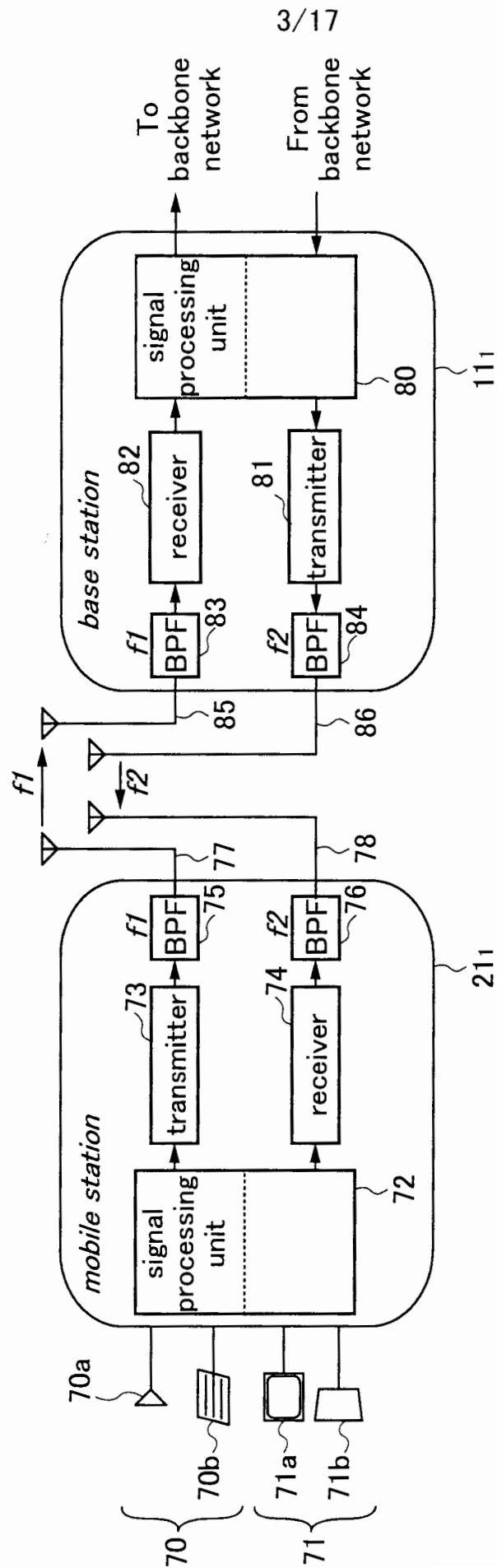
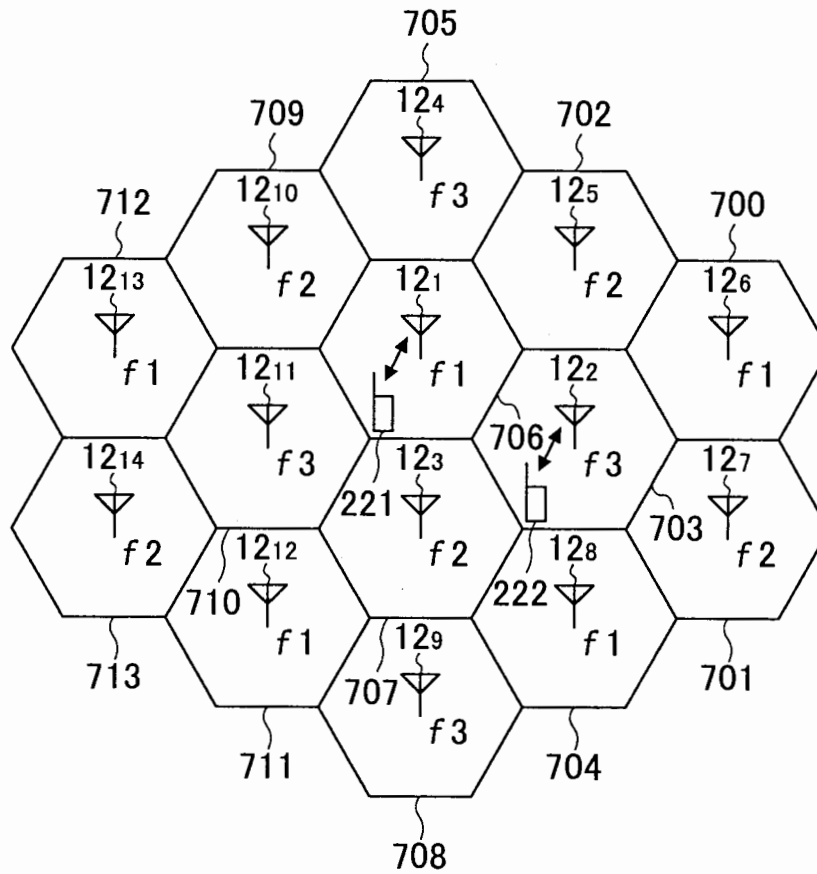


FIG.3 PRIOR ART



4/17

FIG.4 PRIOR ART



5/17

FIG.5 PRIOR ART

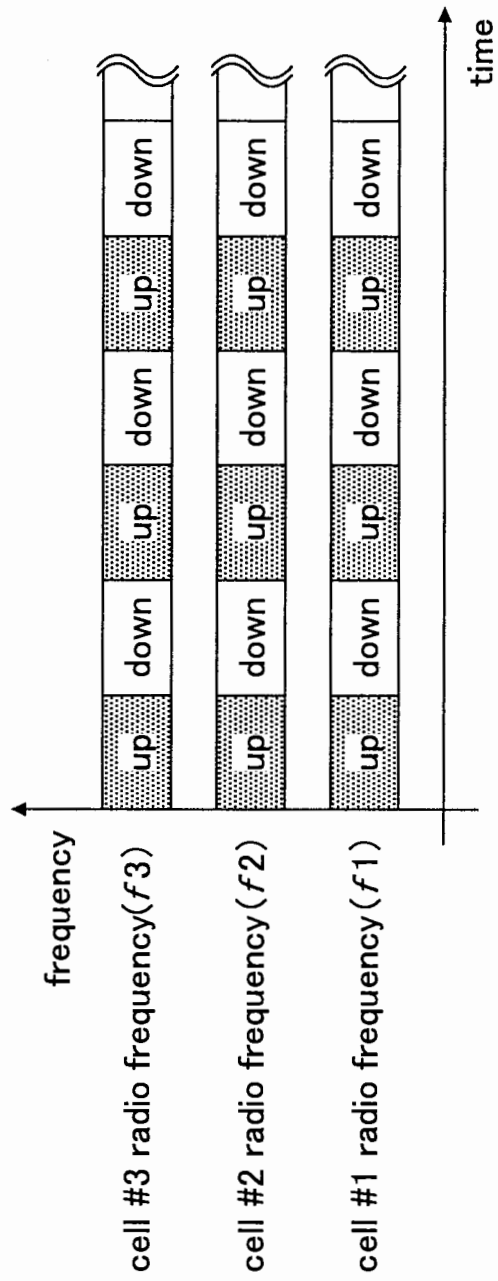
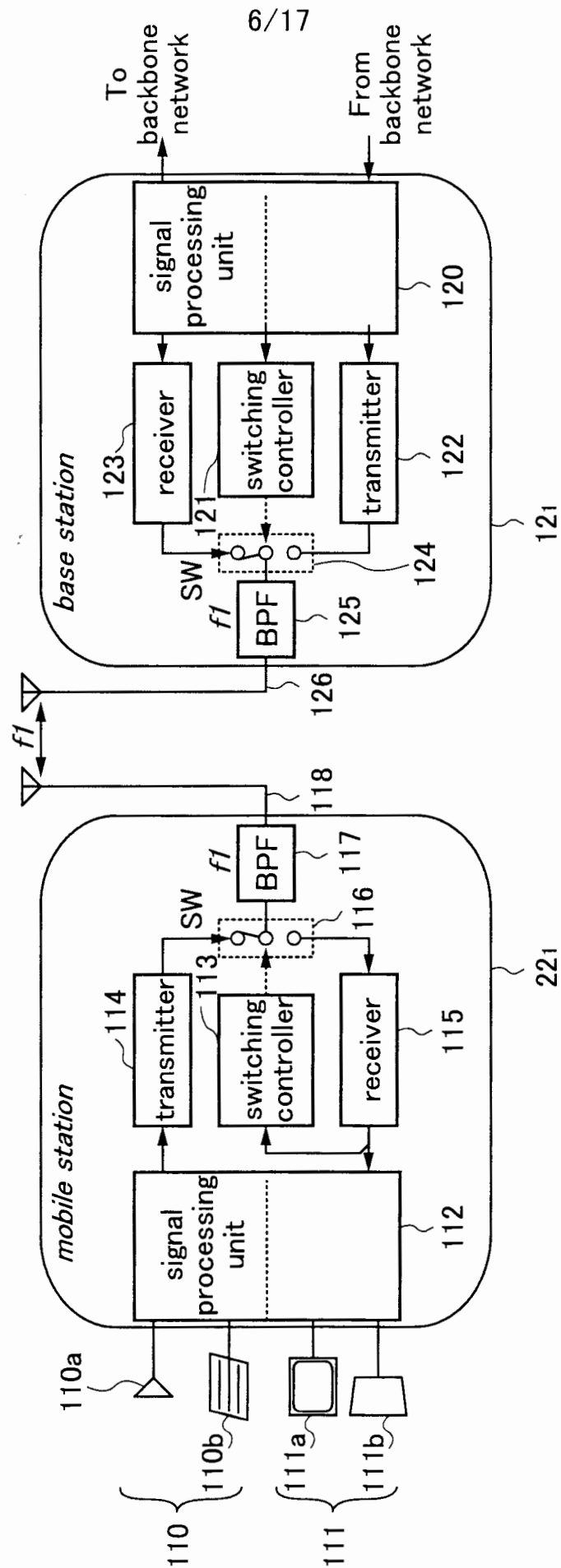
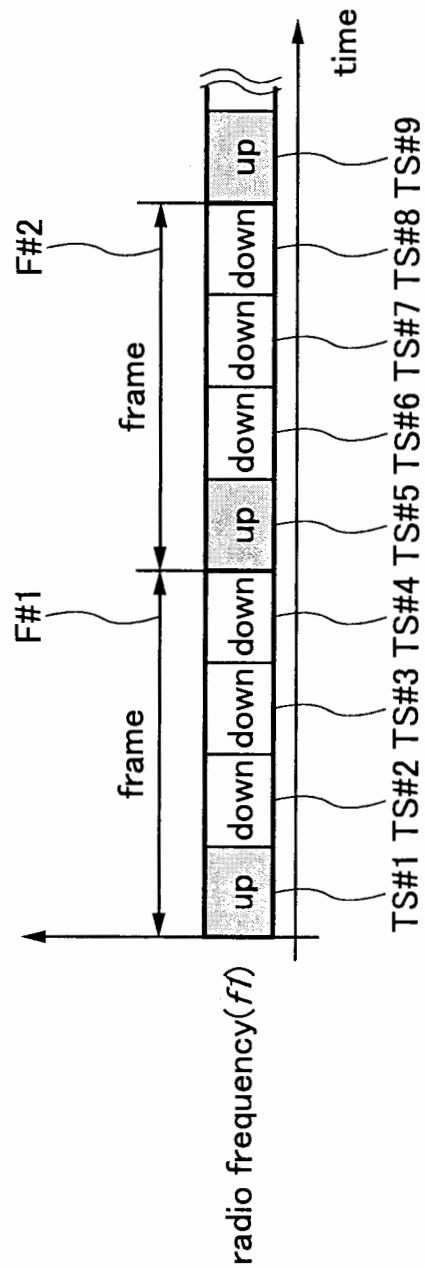


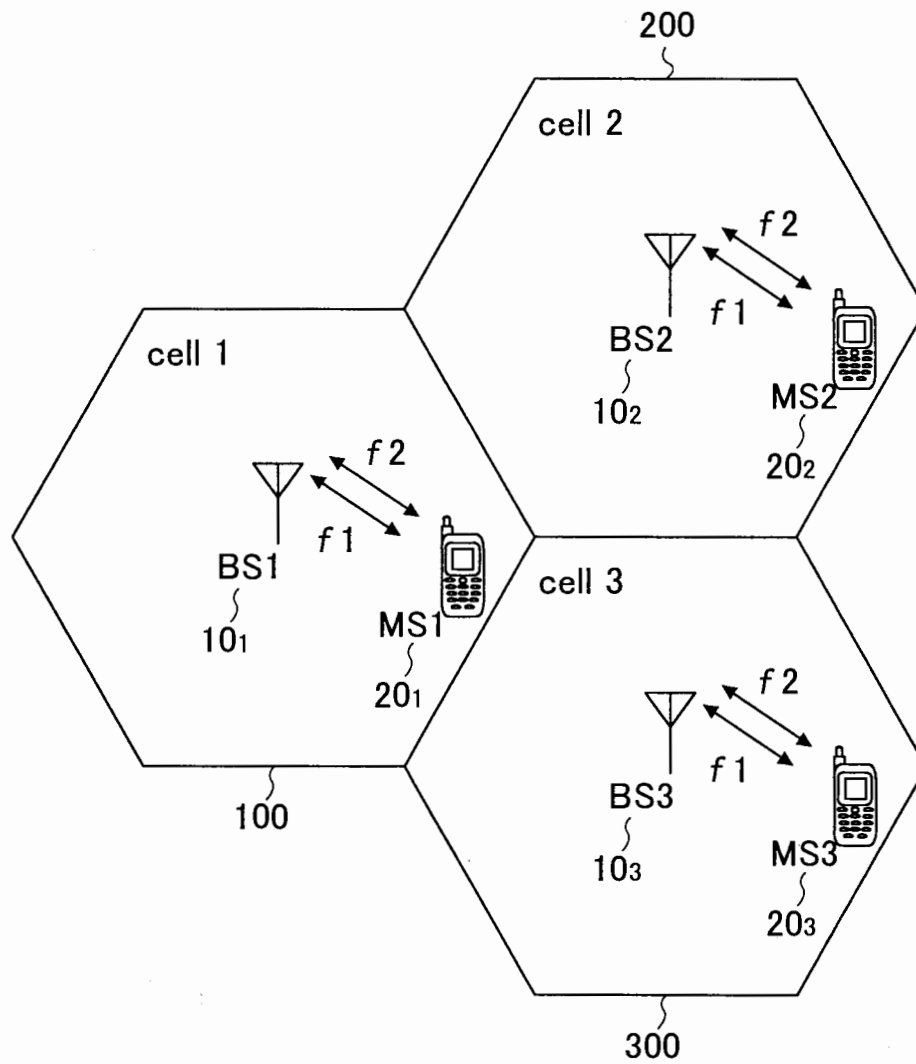
FIG.6 PRIOR ART



7/17

FIG.7 PRIOR ART



8/17
FIG. 8

9/17

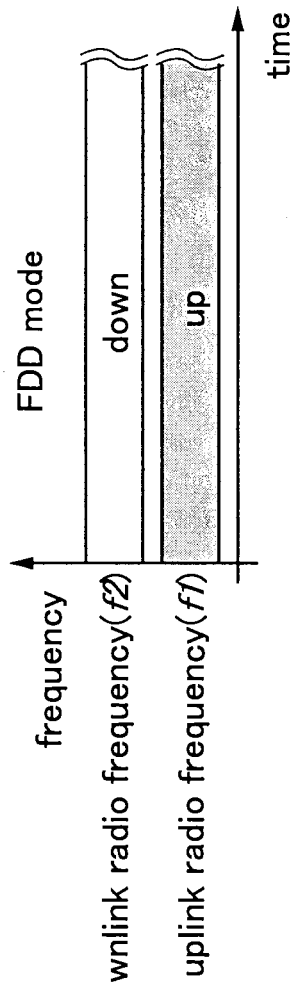


FIG. 9A

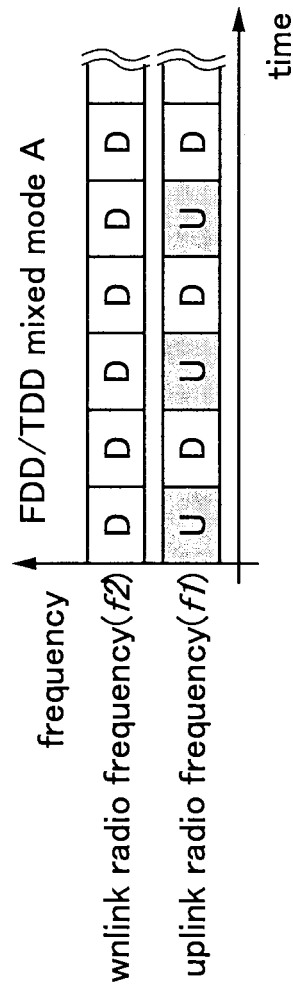


FIG. 9B

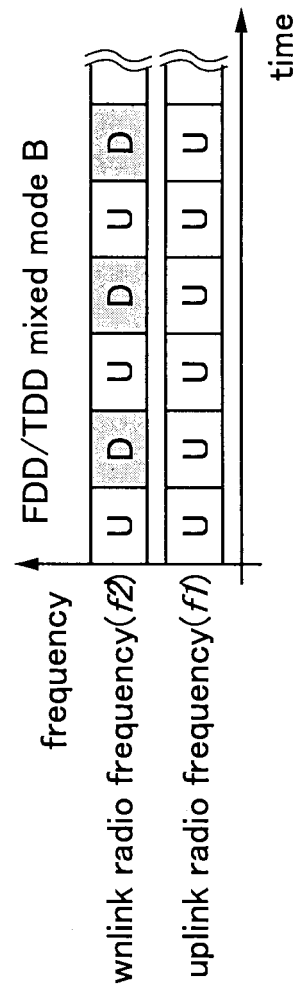
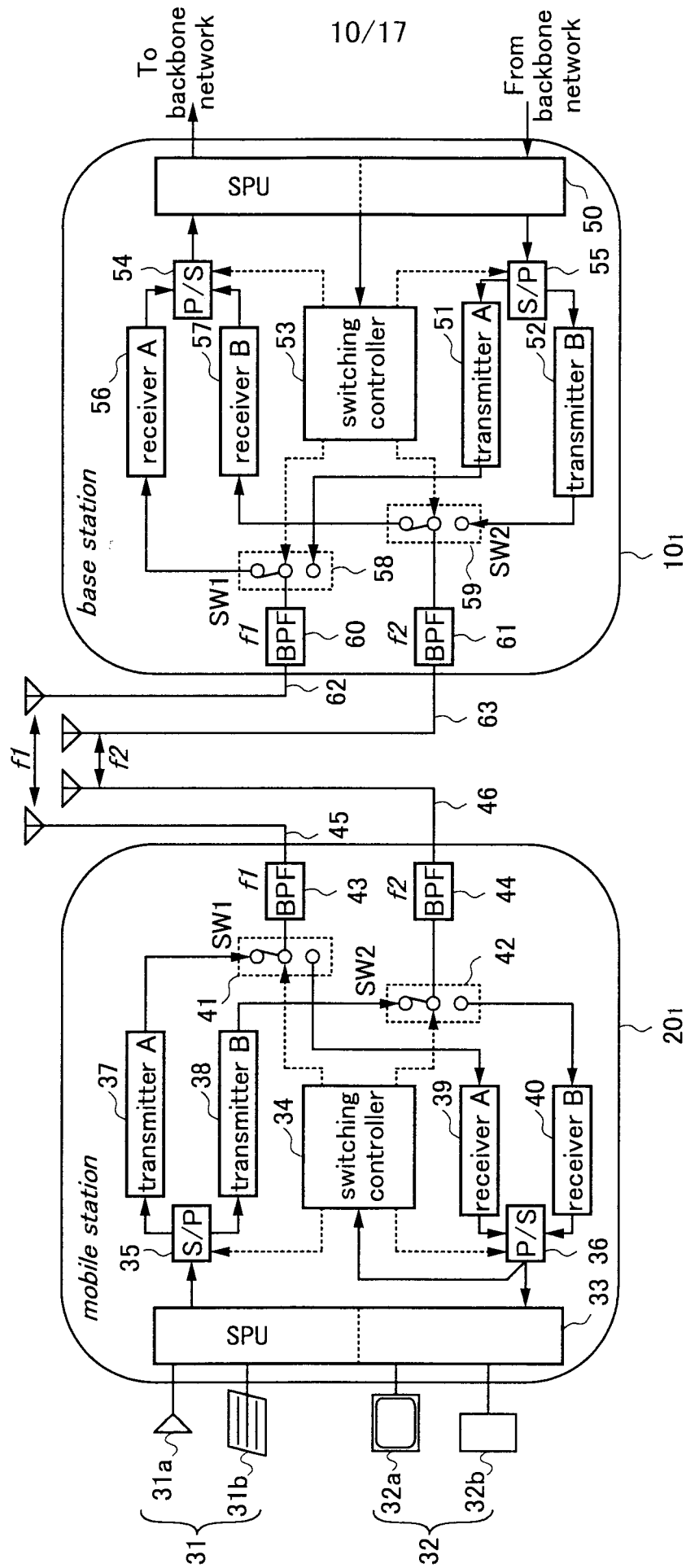


FIG. 9C

FIG.10



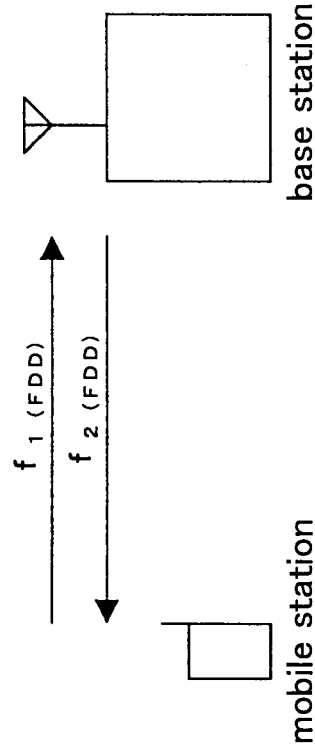


FIG.11A

FDD mode

mobile station	SW 1	switch to transmitter A
	SW 2	switch to receiver B
	S / P	no S/P conversion, all the signals from SPU to transmitter A
	P / S	no P/S conversion, all the signals from receiver B to SPU
base station	SW 1	switch to receiver A
	SW 2	switch to transmitter B
	S / P	no S/P conversion, all the signals from SPU to transmitter B
	P / S	no P/S conversion, all the signals from receiver A to SPU

FIG.11B

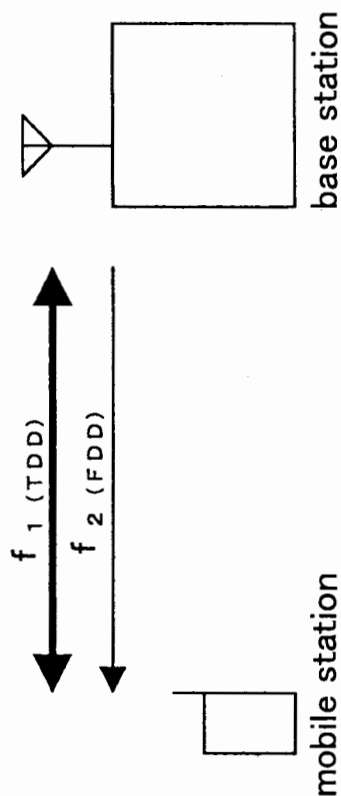


FIG.12A

FDD/TDD mixed mode A

mobile station	SW 1	switch alternately
	SW 2	switch to receiver B
	S / P	no S/P conversion, all the signals from SPU to transmitter A
	P / S	P/S conversion at a ratio of 1:2 between receiver A:B,
base station	SW 1	switch alternately
	SW 2	connect to transmitter B
	S / P	S/P conversion at a ratio of 1:2 between transmitter A:B
	P / S	no P/S conversion, all the signals from receiver A to SPU

FIG.12B

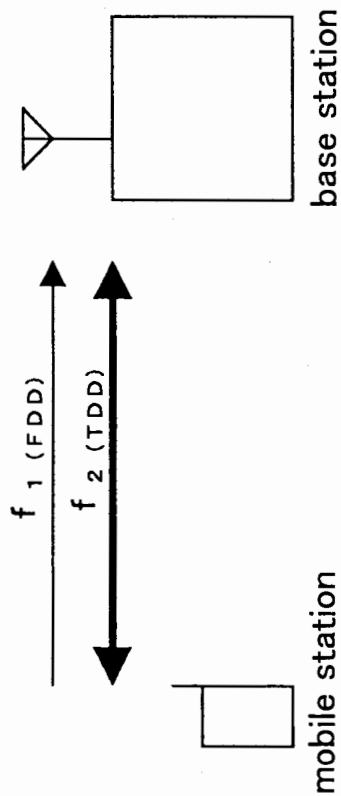
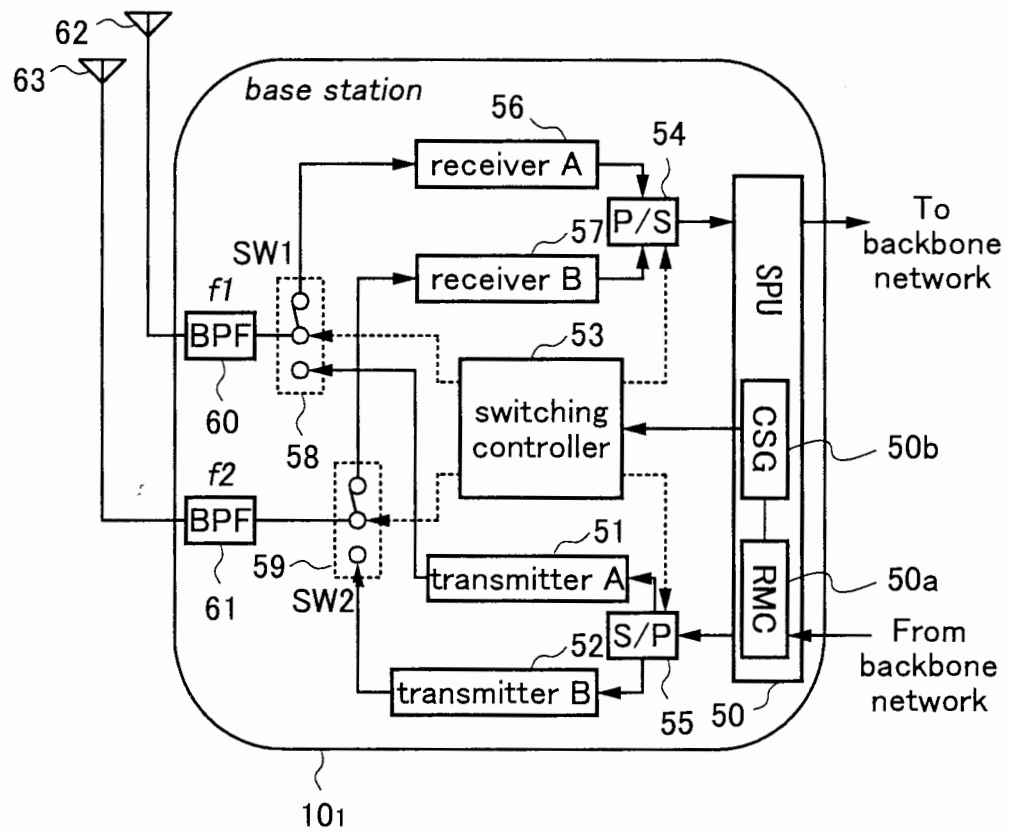


FIG.13A

FDD/TDD mixed mode B

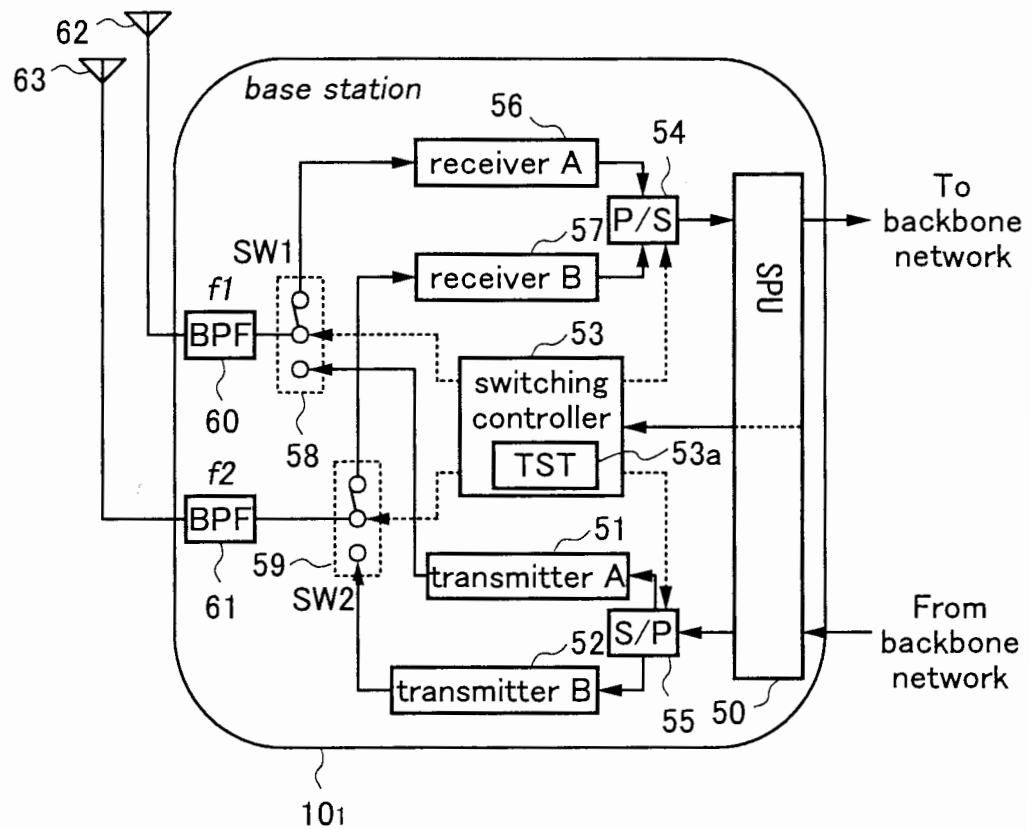
mobile station	SW 1	switch to transmitter A
	SW 2	switch alternately
	S / P	S/P conversion at a ratio of 2:1 between transmitter A:B
	P / S	no P/S conversion, all the signal from receiver B to SPU
base station	SW 1	switch to receiver A
	SW 2	switch alternately
	S / P	no S/P conversion, all the signals from SPU to transmitter B
	P / S	P/S conversion at a ratio of 2:1 between receiver A:B

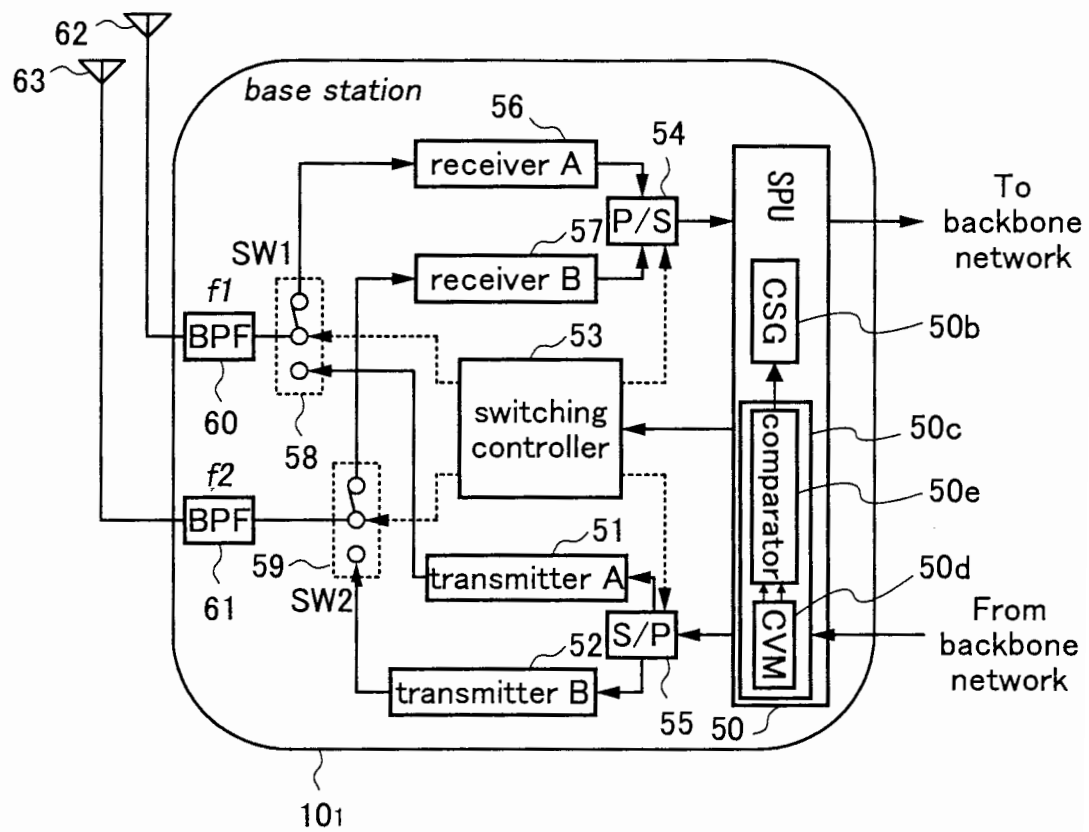
FIG.13B

14/17
FIG.14

15/17

FIG. 15



16/17
FIG.16

17/17
FIG.17