AR3000A frequency configuration.

736.23

691.2

RF I/P (f)   352.23   45.025

307.2

198.63

736.33 – 1299.77
1st LO

153.6
2nd LO
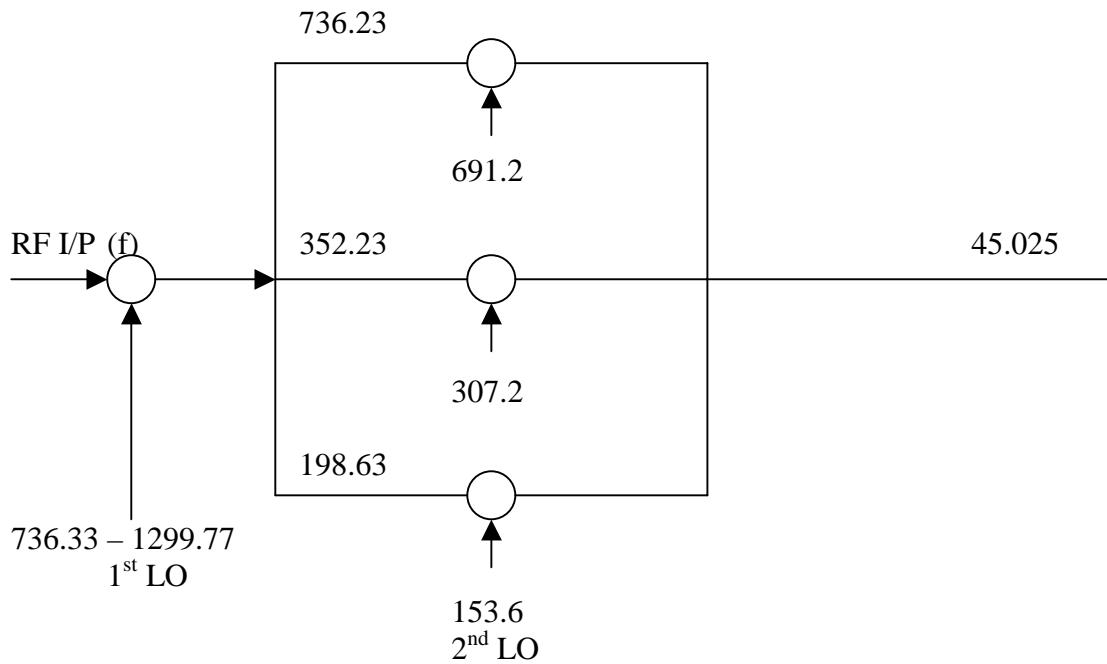
Receive frequency	1st IF frequency
0.1 – 500MHz	736.23MHz
500 – 940	352.23
940 – 1300	198.63
1300 – 1650	352.23
1650 – 2036	736.23

Frequency inversion at 45MHz and in following stages.

I/P frequency	Resultant 45MHz O/P
0.1 – 500MHz	RF I/P (f) - 1st LO + 2nd LO. Resultant IF frequency is inverted
500 – 940	f - 1st LO + 2nd LO. Resultant IF frequency is inverted
940 – 1300	f - 1st LO - 2nd LO. Not inverted
1300 – 1650	f - 1st LO - 2nd LO. Not inverted
1650 – 2036	f - 1st LO - 2nd LO. Not inverted