1) Figure-1: Radar system architecture

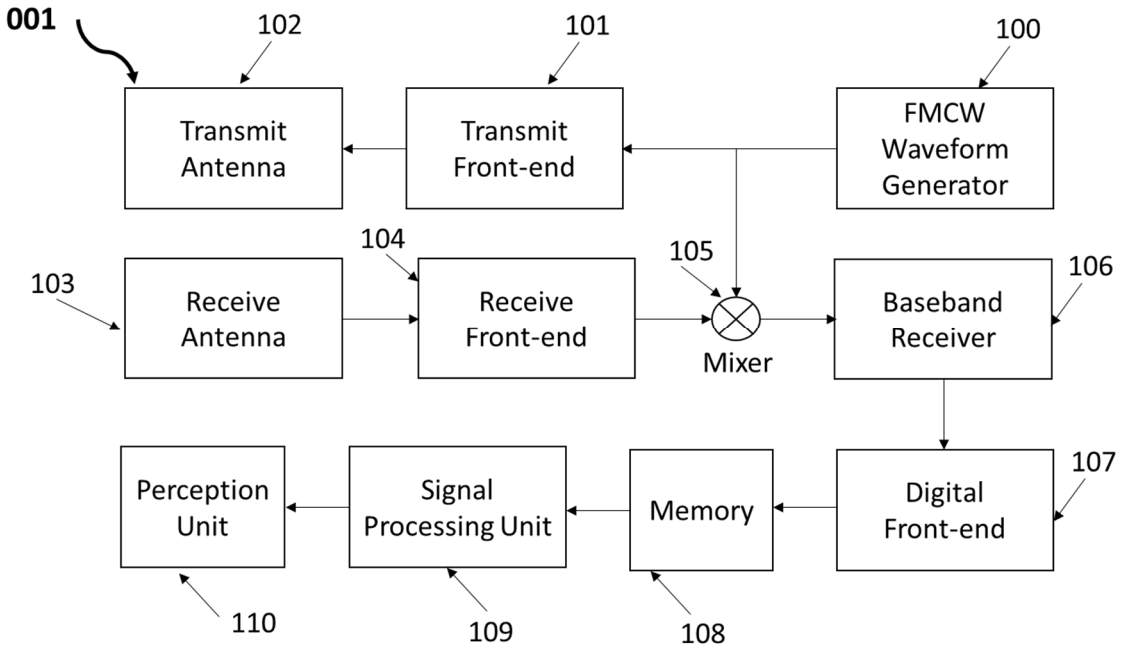


Figure-1: radar system architecture

2) Figure-2: Transmitting and receiving antenna array

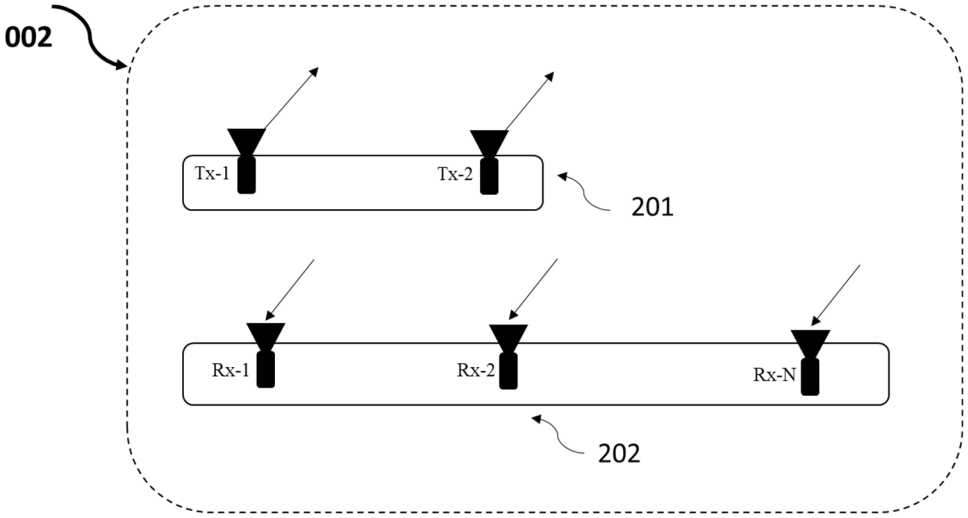


Figure-2: Transmitting and receiving antenna array configuration

3) Figure-3: TDM FMCW waveform scheduling for Doppler ambiguity resolution

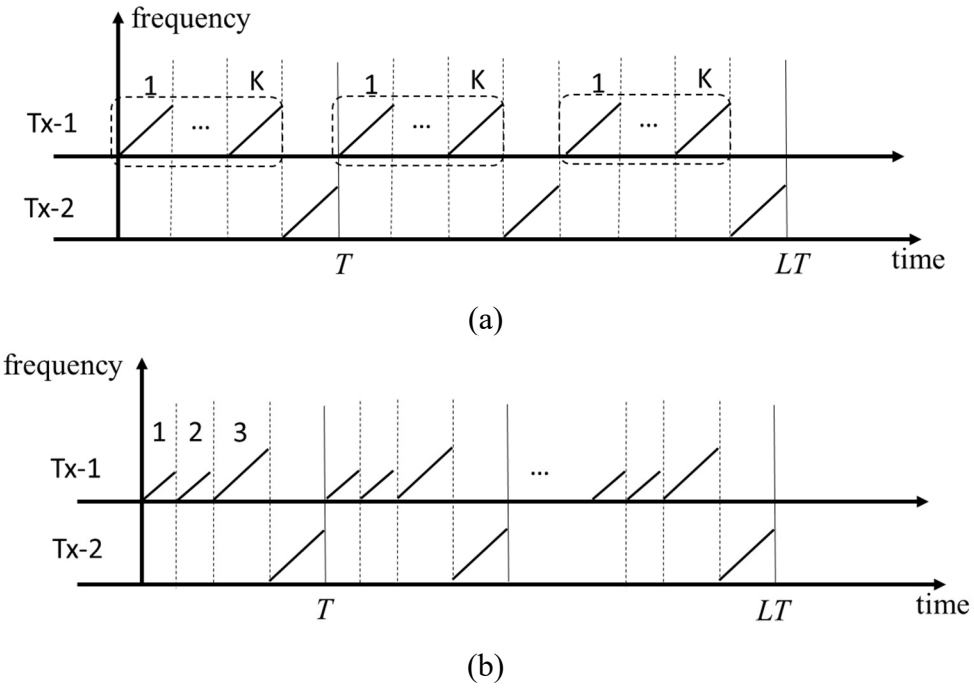


Figure-3 waveform transmit scheme for TDM Doppler ambiguity resolution (illustrated with two Transmit antennas) (a) k pulses of same pulse shape at Tx-1 (b) All the pulses except the last one at Tx-1 have same pulse shape

4) Figure-4: Overall processing flowchart

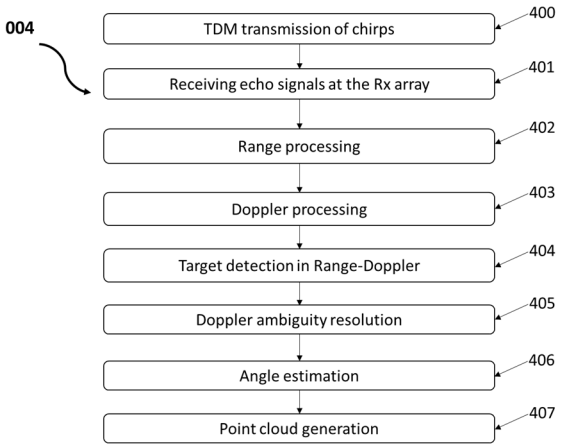
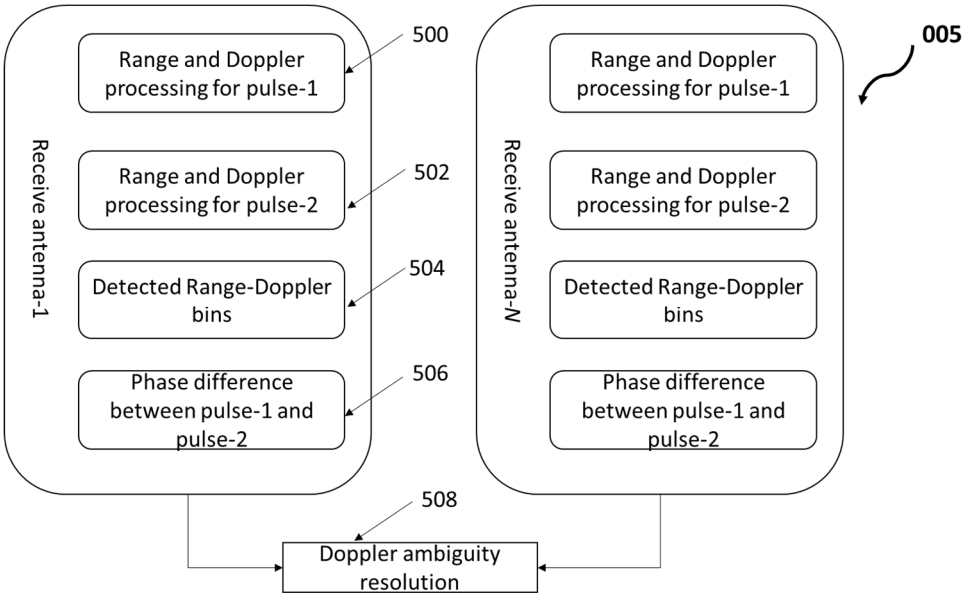
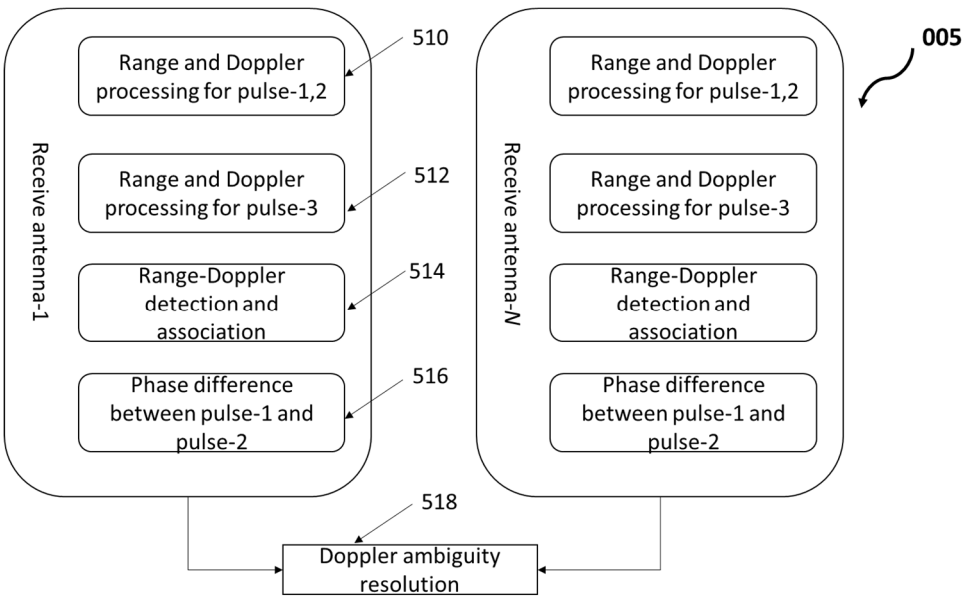


Figure-4: Overall processing flowchart

5) Figure-5: Doppler ambiguity resolution



(a)



(b)

Figure-5: Doppler ambiguity resolution processing