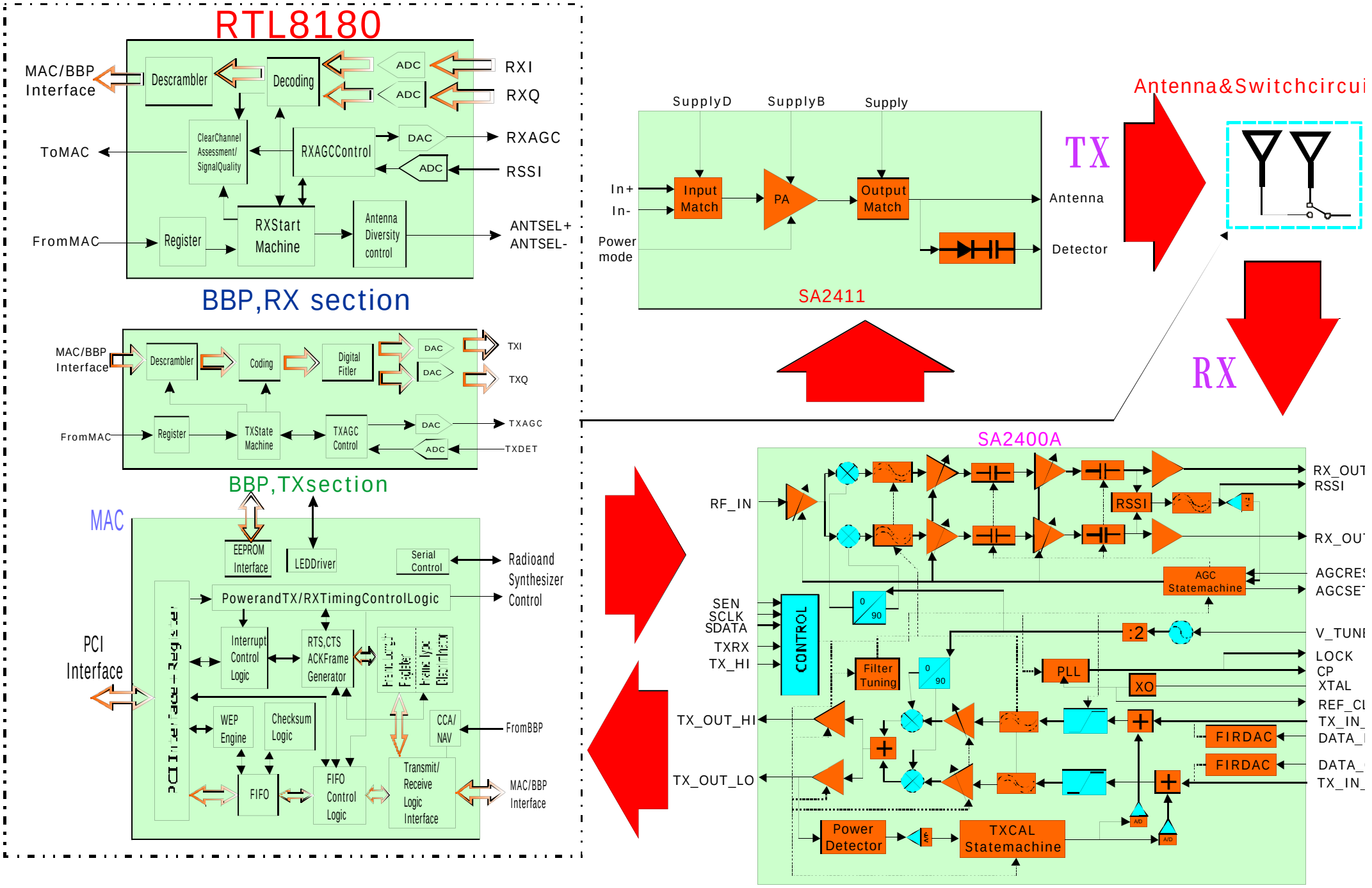
RTL8180
MAC/BBP Interface
Descrambler
Decoding
ADC
ADC
RXI
RXQ
ClearChannel Assessment/ SignalQuality
RXAGCControl
DAC
ADC
RXAGC
RSSI
ToMAC
FromMAC
Register
RXStart Machine
Antenna Diversity control
ANTSEL+
ANTSEL-
BBP,RX section
MAC/BBP Interface
Descrambler
Coding
Digital Fitler
DAC
DAC
TXI
TXQ
FromMAC
Register
TXState Machine
TXAGC Control
DAC
ADC
TXAGC
TXDET
BBP,TXsection
MAC
EEPROM Interface
LEDDriver
Serial Control
Radioand Synthesizer Control
PowerandTX/RXTimingControlLogic
PCI Interface
Interrupt Control Logic
RTS,CTS ACKFrame Generator
WEP Engine
Checksum Logic
CCA/ NAV
FromBBP
FIFO
FIFO Control Logic
Transmit/ Receive Logic Interface
MAC/BBP Interface
SupplyD
SupplyB
Supply
In+
In-
Power mode
Input Match
PA
Output Match
Antenna
Detector
SA2411
TX
Antenna&Switchcircui
RX
SA2400A
RF_IN
RSSI
AGC Statemachine
SEN
SCLK
SDATA
TXRX
TX_HI
CONTROL
0 90
:2
Filter Tuning
0 90
PLL
XO
TX_OUT_HI
TX_OUT_LO
FIRDAC
FIRDAC
Power Detector
TXCAL Statemachine
RX_OUT
RSSI
RX_OUT
AGCRES
AGCSET
V_TUNE
LOCK
CP
XTAL
REF_CL
TX_IN_
DATA_
DATA_
TX_IN_