

MAYA-W3 Block Diagrams

The MAYA-W3 family is composed of the following variants:

FCC ID	IC ID	Product
XPYMAYAW3A	8595A-MAYAW3A	MAYA-W381-00B
XPYMAYAW3A	8595A-MAYAW3A	MAYA-W386-00B
XPYMAYAW3A	8595A-MAYAW3A	MAYA-W383-00B
XPYMAYAW3A	8595A-MAYAW3A	MAYA-W382-00B
XPYMAYAW3A	8595A-MAYAW3A	MAYA-W361-00B
XPYMAYAW3A	8595A-MAYAW3A	MAYA-W366-00B
XPYMAYAW3A	8595A-MAYAW3A	MAYA-W363-00B
XPYMAYAW3A	8595A-MAYAW3A	MAYA-W362-00B
XPYMAYAW3A	8595A-MAYAW3A	MAYA-W331-00B
XPYMAYAW3A	8595A-MAYAW3A	MAYA-W336-00B
XPYMAYAW3A	8595A-MAYAW3A	MAYA-W333-00B
XPYMAYAW3A	8595A-MAYAW3A	MAYA-W332-00B

Block Diagrams

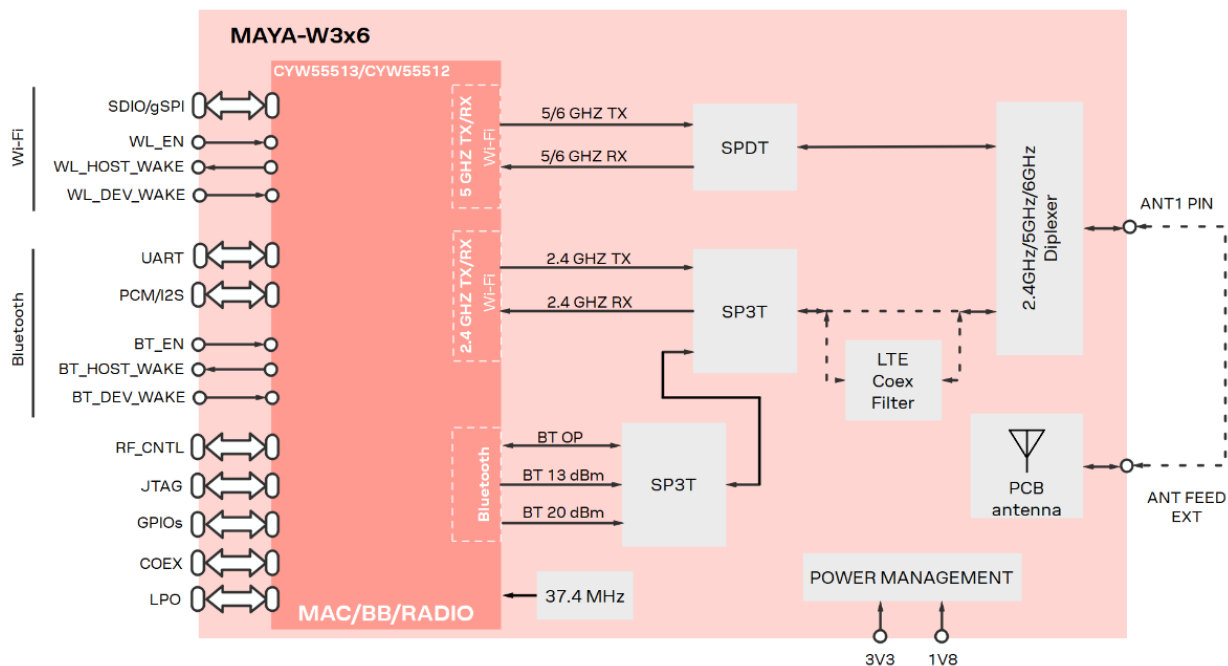


Figure 1: MAYA-W3 single embedded antenna variant block diagram

Figure 1: shows the block diagram for the single embedded antenna module variants in the MAYA-W3 series (module variants MAYA-W386-00B, MAYA-W366-00B and MAYA-W336-00B)

These modules are equipped with an internal, on-board PCB antenna and a single RF pin (**RF_ANT1**) with which to feed the on-board antenna (**ANT_EXT_FEED**).

For antenna diversity configuration, an external RF switch can be placed instead of the antenna feed network to switch the RF signal between the on-board and external antenna. One of **RF_CNTL** outputs can be used for antenna diversity switch control. Similar configuration can be used for other module variants.

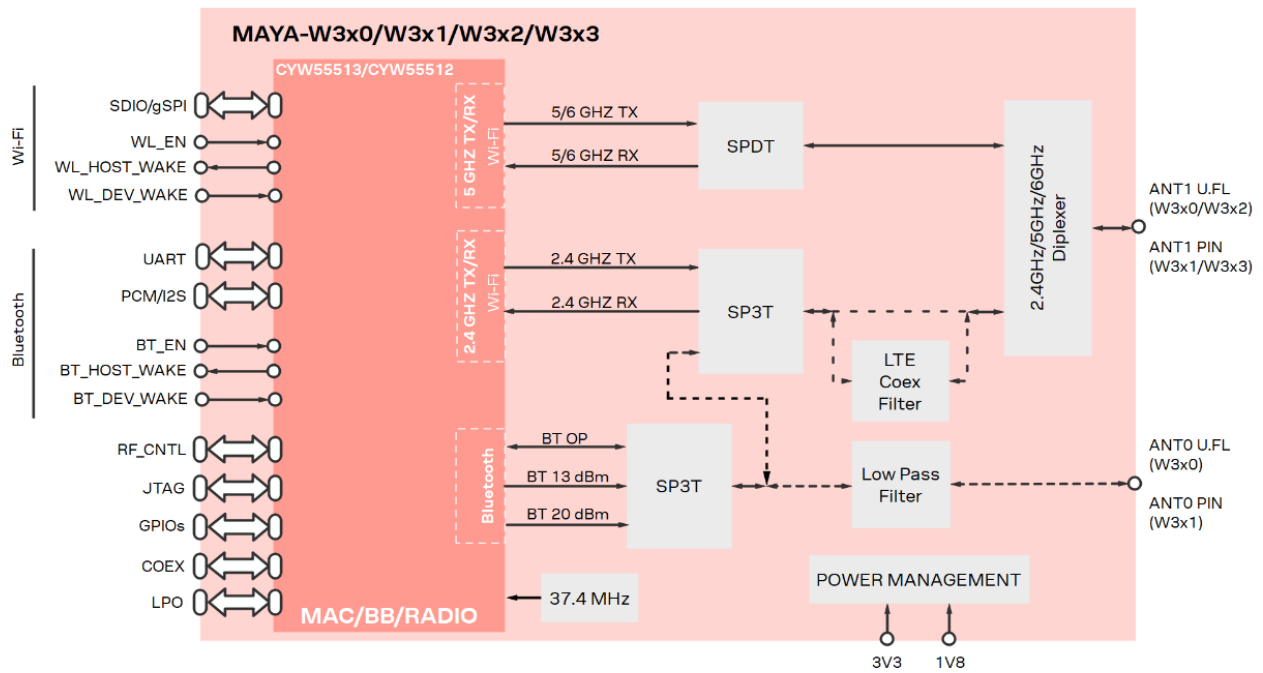


Figure 2: MAYA-W3 dual- and single-antenna variant block diagram

Figure 2: shows the block diagram of the dual- and single-antenna variants of MAYA-W3 series (module variants MAYA-W381-00B, MAYA-W382-00B, MAYA-W383-00B, MAYA-W361-00B, MAYA-W362-00B, MAYA-W363-00B, MAYA-W331-00B, MAYA-W332-00B and MAYA-W333-00B). The dual-antenna modules are equipped with two RF pins or U.FL connectors for simultaneous Wi-Fi (**RF_ANT1/J1**) and Bluetooth (**RF_ANT0/J2**) operation. The single-antenna modules support shared Wi-Fi and Bluetooth operation on a single RF pin (**RF_ANT1**) or U.FL connector (**J1**).