

Model 7703A and Model 6703A differences:

Model 7703A is a portable device and model 6703A is a stationary base station based on the same HW. Due to ergonomic requirements, each model has a unique antenna. Each antenna has a unique set of RF matching component values. All active, frequency defining, oscillator and power generating circuits as well as the PCB are identical. Here are the differences;

	MODEL 6703A (HUB)	Model 7703A (KEY PAD)
L1	NC	8.7nH
L13	NC	8.2nH
L14	10nH	NC
C15	3pF	100pF
C17	NC	5.1pF
U1	NC	25LC256
R40	NC	100K
R41	NC	100K
U6	AT25DF641	NC
R44	100K	NC
R45	100K	NC
Antenna	Nearson S161XX-915R	Trace

The L1, L13, L14, C15, C17 change from the Key pad to Hub to allow perfect matching 50ohm between Antennas impedance and the Saw filter impedance.

Base in the different data it need to be loader in the Hub and Key pad, the both support two different EEPROM , AT25DF641 for Hub and 25LC256 for Keypad.
R40,R41 are used to support U6 EEPROM in the Hub model , and R44and R45 are used to support the Key pad model.

This EEPROM circuitry has nothing to do with RF or RF control.

Schematic 3 and Schematic 2 shows and mention those differences, with clear note inside.