TEST PLAN

ID	Description	Pre-Condition	Expected I/P	Expected O/P	Actual O/P
HH1_LL1_TC1	PIR troubleshooting	PIR vcc and gnd should be connected to the corresponding BeagleBone board supply	Presence of human	Output signal high	Output signal high
HH1_LL2_TC1	PIR troubleshooting	PIR vcc and gnd should be connected to the corresponding BeagleBone board supply	No Presence of human	Output signal low	Output signal low
HH2_LL1_TC1	Relay 1 troubleshooting	Relay modules vcc and gnd should be connected to the corresponding BeagleBone board supply	PIR sensor gives logic high signal	Relay 1 is activated	Relay 1 is activated
HH2_LL2_TC1	Relay 1 troubleshooting	Relay modules vcc and gnd should be connected to the corresponding BeagleBone board supply	PIR sensor gives logic low signal	Relay 1 stays in deactivated state	Relay 1stays in deactivated state.
HH3_LL1_TC1	BBB delay function	Relay modules, PIR sensor's vcc and gnd should be connected to the corresponding BeagleBone board supply	PIR sensor detects a person and relay1 is on for 5 secs.	Relay 1 and 2 remain in low state after the door is opened	Relay 1 and 2 remain in low state after the door is opened
HH4_LL1_TC1	PIR troubleshoot	PIR vcc and gnd should be connected to the corresponding BeagleBone	PIR sensor detects for presence of human	PIR sensor gives logic low for no human presence and logic high for presence of	PIR sensor gives logic low for no human presence and logic high for presence of

		board supply		human	human
HH4_LL2_TC1	Relay troubleshoot	PIR and relay module vcc and gnd should be connected to the corresponding BeagleBone board supply	PIR sensor detects human presence	Both pin 26 and 44 expected to stay in low state	Both pin 26 and 44 expected to stay in low state
HH4_LL3_TC1	Relay troubleshooting	PIR and relay module vcc and gnd should be connected to the corresponding BeagleBone board supply	PIR sensor detects no presence of human	Pin 26 expected to stay in logic low and pin 44 expected to trigger to logic high state activating relay 2 turning the motor anticlockwise	Pin 26 expected to stay in logic low and pin 44 expected to trigger to logic high state actuating relay 2 turning the motor anticlockwise.