Testing Documentation History Table

Test Plan	Test Setup	Environmental Parameters	Test Input	Quantifiable Measure Standard	Pass Criteria	Test Results
Test delay between sender and receiver devices	Sender and receiver devices are placed 15 meters apart indoors	Room temperature (20-22 °C), standard atmosphere (101.3kPa)	Press the SW_MEC_5 G button on the sender device	Logged time difference between when the signal is sent (sender) and received (receiver) using timer, signified by red LED turning on	Time difference < 3 seconds	
Test maximum range of communication	Sender and receiver devices are placed 15 meters apart indoors	Room temperature (20-22 °C), standard atmosphere (101.3kPa)	Press the SW_MEC_5 G button on the sender device	Whether the red LED on the receiver device flashes after pressing the button on the sender device	Red LED on receiver device turns on when sender button is pressed	

Test maximum range of communication with wall in between	Sender and receiver devices are placed 5 meters apart indoors, with a wall in between	Room temperature (20-22 °C), standard atmosphere (101.3kPa)	Press the SW_MEC_5G button on the sender device	Whether the red LED on the receiver device flashes after pressing the button on the sender device	Red LED on receiver device turns on when sender button is pressed
Test red LED flickering rate and duration on caretaker's device	Devices placed 15 meters apart indoors	Room temperature (20-22 °C), standard	Press the SW_MEC_5G button on the sender device	Red LED flashes for 60 seconds measured by a timer	Red LED flashes for 60 seconds

		atmosphere (101.3kPa)			
Test feedback loop timing from caretaker's device to sender's green LED	Sender and receiver devices are 15 meters apart indoors	Room temperature (20-22 °C), standard atmosphere (101.3kPa)	Press the SW_MEC_5G button on the sender device	Time difference between sender's signal sent and green LED activation, recorded on sender and receiver displays	Green LED turns on within 5 seconds of the sender's input
Test duration of green LED on client's device	Sender and receiver devices are 15 meters apart indoors	Room temperature (20-22 °C), standard atmosphere (101.3kPa)	Press the SW_MEC_5G button on the sender device	Measure how long green LED shines using a simple timer (i.e phone timer)	Green LED remains continuously on for at least 60 seconds