

Test Cases

Ingress Protection X7 2

C8: "Samsung Galaxy Buds Pro" earbuds ability to be connected to the smartphone after immersion in water

Type	Priority	Estimate	References
Other	Medium	None	None
Automation Type			
None			

Preconditions

Type of testing: Ingress Protection

Environment: Android 5 or higher

- 1) Earbuds: Samsung Galaxy Buds Pro (100 % charged)
- 2) Smartphone (at least 50 % charged)
- 3) 0.5 container filled with water
- 4) Earbuds are paired with a smartphone
- 5) Earbuds are not connected to the smartphone via Bluetooth
- 6) Earbuds have been in the container for 15 minutes

Steps

- 1) Remove the earbuds from the container
- 2) Connect the smartphone to the earbuds via Bluetooth

Expected Result

Earbuds are connected to the smartphone

C9: Determination of "Samsung Galaxy Buds Pro" earbuds point of failure under the water

Type	Priority	Estimate	References
Destructive	Low	None	None
Automation Type			
None			

Preconditions

Environment: Android 5 or higher

- 1) Earbuds: Samsung Galaxy Buds Pro (100 % charged)
- 2) Smartphone (at least 50 % charged)
- 3) Earbuds are connected to the smartphone via Bluetooth
- 4) 0.5 container filled with water
- 5) Nulled timer on another device

Steps

1	Start the timer and immerse earbuds in the container for 32 minutes at once	The Bluetooth connection between earbuds and the smartphone is severed within the period from 30:00 min. to 32:00 min
2	Remove the earbuds from the container	Earbuds are out of the container
3	Connect the smartphone to the earbuds via Bluetooth	The smartphone is not connected to the earbuds