

C9: Determination of "Samsung Galaxy Buds Pro" earbuds point of failure under the water (IPx7 protection)

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