



2 September 2013

Dr. Richard Tynan
Privacy International
46 Bedford Row,
London

Dear Dr. Tynan,

We received your mail sent to CEO Oh-Hyun Kwon regarding the questions on our handsets' technical function when powered off.

In brief, without the power source it is not possible to transmit any signal, due to the components being inactive.

Thus the powered off devices are not able to be tracked or monitored by any 3rd party.

The device in the article you mentioned isn't actually powered off but it contains spyware which mimics the status of the battery being fully drained (such as turning off the LCD screen on the device). While this could mislead the user to think the device is powered down, the device still being tracked or monitored by leaving the transceivers active.

Please see below our responses to your questions.

1. When the user requests any of your handsets to be powered off, what components, if any remain active i.e. consuming power?

⇒ No component can remain active after powering off.

a. If some components do remain active, what is the power source for these components i.e. capacitor, battery or power transmitted from an external source?

⇒ There is only one power source : battery.

A device can't be activated without battery even though TA(Travel Adapter) is connected.

2. Is there any condition, or set of conditions, whereby components of your handsets would be subsequently activated after the user requests any of your handsets to be powered off, other than by the user requesting the phone to be powered on?

⇒ There's no way to activate some components after requesting a device to be powered off.

a. if some components do activate, can the command or set of commands to activate originate from within the handset hardware? N/A

b. if some components do activate, can the command or set of commands to activate originate from within the handset's Operating System? N/A

c. if some components do activate, can the command or set of commands to activate originate from a source external to the handset? N/A

3. Do any of your handsets's transceivers remain active or become active after the user has requested the handset to be powered off without any further user interaction?

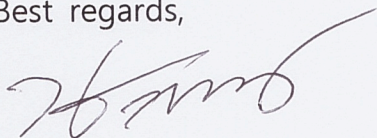
⇒ No. All transceivers are turned off.

4. Is there any other way of causing one of your handsets to emit a signal while the handset is powered off and without any further interaction from the user?

⇒ No. There's no such way to emit a signal from powered off device.

Should you have further questions, please revert back to me at your convenience.

Best regards,



Hyunjoon KIM

Vice President

Samsung Electronics,

Mobile Communications Business,

Planning Team