

osmo-ccid-firmware - Bug #4822

sysmoOCTSIM with osmo-ccid-firmware sometimes fails to enumerate on USB

10/20/2020 07:48 PM - laforge

Status:	New	Start date:	10/20/2020
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:			
Target version:			
Spec Reference:			
Description			
<p>I've never had this before, for many months. However, with recent firmware (0.2.48) I've observed this:</p>			
<pre>[179007.559048] usb 1-4.4.3: new full-speed USB device number 32 using xhci_hcd [179007.639242] usb 1-4.4.3: device descriptor read/64, error -32 [179007.827237] usb 1-4.4.3: device descriptor read/64, error -32 [179008.015187] usb 1-4.4.3: new full-speed USB device number 33 using xhci_hcd [179008.095235] usb 1-4.4.3: device descriptor read/64, error -32 [179008.283233] usb 1-4.4.3: device descriptor read/64, error -32 [179008.391179] usb 1-4.4-port3: attempt power cycle [179008.995200] usb 1-4.4.3: new full-speed USB device number 34 using xhci_hcd [179008.995416] usb 1-4.4.3: Device not responding to setup address. [179009.203351] usb 1-4.4.3: Device not responding to setup address. [179009.411047] usb 1-4.4.3: device not accepting address 34, error -71 [179009.491114] usb 1-4.4.3: new full-speed USB device number 35 using xhci_hcd [179009.491311] usb 1-4.4.3: Device not responding to setup address. [179009.699411] usb 1-4.4.3: Device not responding to setup address. [179009.907037] usb 1-4.4.3: device not accepting address 35, error -71 [179009.907219] usb 1-4.4-port3: unable to enumerate USB device [179039.515037] usb 1-4.4.3: new full-speed USB device number 36 using xhci_hcd [179039.595097] usb 1-4.4.3: device descriptor read/64, error -32 [179039.782880] usb 1-4.4.3: device descriptor read/64, error -32 [179039.971039] usb 1-4.4.3: new full-speed USB device number 37 using xhci_hcd [179040.051067] usb 1-4.4.3: device descriptor read/64, error -32 [179040.239072] usb 1-4.4.3: device descriptor read/64, error -32 [179040.347191] usb 1-4.4-port3: attempt power cycle [179040.954828] usb 1-4.4.3: new full-speed USB device number 38 using xhci_hcd [179040.954974] usb 1-4.4.3: Device not responding to setup address. [179041.167074] usb 1-4.4.3: Device not responding to setup address. [179041.374849] usb 1-4.4.3: device not accepting address 38, error -71 [179041.454915] usb 1-4.4.3: new full-speed USB device number 39 using xhci_hcd [179041.455125] usb 1-4.4.3: Device not responding to setup address. [179041.667065] usb 1-4.4.3: Device not responding to setup address. [179041.879032] usb 1-4.4.3: device not accepting address 39, error -71 [179041.879256] usb 1-4.4-port3: unable to enumerate USB device</pre>			
<p>twice in a row while attaching the same sysmoOCTSIM using the same cable attached to the same USB hub, ... that has literally worked hundreds of times before.</p>			
<p>As sysmocom also received a similar report on raspi a few days ago, there may be something wrong.</p>			
<p>I removed one SIM card and re-plugged it, and it worked. Unfortunately it currently also works with that SIM card re-inserted. Weird.</p>			

History

#1 - 10/20/2020 07:53 PM - Hoernchen

Might be related to the patch that resets with external power upon replugging, but i don't really see why or how. This requires a raw usb packet capture or live debugging (hard to do without knowing that it will fail and where to break), there is no way to guess what is going on. I've never seen it happen.