Demo software: GSM_easy_httpget.ino

Generated with "ComLine-Analyser" (hardware) and Docklight (PC software)

Communication Protocol
(blue: Arduino ---> GSM_easy-Shield, **red: GSM_easy-Shield ---> Arduino**)

```
<NUL>
AT<CR>

AT<CR>
<CR><LF>
OK<CR><LF>

ATE0<CR>

ATE0<CR>
<CR><LF>
OK<CR><LF>
<CR><LF>
+CFUN: 1<CR><LF>
<CR><LF>
+CPIN: SIM PIN<CR><LF>

AT+CPIN=1357<CR>

<CR><LF>
+CPIN: READY<CR><LF>
<CR><LF>
OK<CR><LF>

AT+IPR=9600<CR>

<CR><LF>
OK<CR><LF>

AT+QIURC=0<CR>

<CR><LF>
OK<CR><LF>

AT+CREG?<CR>
```

```
<CR><LF>
+CREG: 0,2<CR><LF>
<CR><LF>
OK<CR><LF>

AT+CREG?<CR>

<CR><LF>
+CREG: 0,1<CR><LF>
<CR><LF>
OK<CR><LF>

AT+CREG?<CR>

<CR><LF>
+CREG: 0,1<CR><LF>
<CR><LF>
OK<CR><LF>

AT+CGATT?<CR>

<CR><LF>
+CGATT: 0<CR><LF>
<CR><LF>
OK<CR><LF>

AT+CGATT?<CR>

<CR><LF>
+CGATT: 1<CR><LF>
<CR><LF>
OK<CR><LF>

AT+QISTAT<CR>

<CR><LF>
OK<CR><LF>
<CR><LF>
STATE: IP INITIAL<CR><LF>

AT+QICSGP=1,"internet.t-mobile.de","t-mobile","whatever"<CR>

<CR><LF>
OK<CR><LF>
```

```
AT+QIDNSIP=1<CR>

<CR><LF>
OK<CR><LF>

AT+QISTAT<CR>

<CR><LF>
OK<CR><LF>
<CR><LF>
STATE: IP INITIAL<CR><LF>

AT+QIOPEN="TCP","www.antrax.de",80<CR>

<CR><LF>
OK<CR><LF>
<CR><LF>
CONNECT OK<CR><LF>

AT+QISEND<CR>

<CR><LF>
>
GET /WebServices/responder.php?HelloWorld HTTP/1.1<CR><LF>
Host: www.antrax.de<CR><LF>
User-Agent: antrax<CR><LF>
Connection: close<CR><LF>
<CR><LF>
<SUB>
<CR><LF>
SEND OK<CR><LF>
HTTP/1.1 200 OK<CR><LF>
Date: Mon, 29 Apr 2013 10:48:37 GMT<CR><LF>
Server: Apache<CR><LF>
X-Powered-By: PHP/5.2.12-nmm4<CR><LF>
Vary: Accept-Encoding<CR><LF>
Content-Length: 2<CR><LF>
Connection: close<CR><LF>
Content-Type: text/html<CR><LF>
<CR><LF>
OK<CR><LF>
CLOSED<CR><LF>

HTTP/1.1 200 OK<CR><LF>
Date: Mon, 29 Apr 2013 10:48:37 GMT<CR><LF>
Server: Apache<CR><LF>
```

```
X-Powered-By: PHP/5.2.12-nmm4<CR><LF>
Vary: Accept-Encoding<CR><LF>
Content-Length: 2<CR><LF>
Connection: close<CR><LF>
Content-Type: text/html<CR><LF>
<CR><LF>
OK<CR><LF>
CLOSED<CR><LF>
<LF><CR>
<LF>
```

END OF DEMO