Abstract: A radio communication system (100) transmits performance requirement notifications defining performance requirements for the operation of a radio equipment (101). The performance requirements are received from a regulation body responsible for certifying the operation of the communication system (100). The reconfigurable radio equipment (101) comprises a reconfigurable radio element (303) and a security certification processor (301). The secure certification processor (301) comprises a monitoring processor (325) which monitors compliance of the reconfigurable radio element (303) with a set of performance requirements. A validation processor (321) verifies the performance requirement notification and a requirements processor (323) updates the performance requirements in response to the notifications if these are valid. The monitoring processor (325) enters the reconfigurable radio equipment (101) into a limited mode of operation if the reconfigurable radio element (303) is not compliant with the performance requirements.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
   IPC(8): H04B 7/00; H04Q 7/20 (2007.01)
   USPC: 455/522

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
   IPC(8): H04B 7/00; H04Q 7/20
   USPC: 455/522

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
   IPC(8): H04Q 7/32, H04L 29/06, H04B 1/04, G01S 3/02, H04L 9/00
   USPC: 455/13.4, 127.1, 127, 423; 342/455; 713/156 (text search - see terms below)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
   PubWest (USPB, USPT, USOC, EPAB, JPAB), DialogPro, GoogleScholar
   Terms-UMTS cellular communication system WLAN GSM 3GPP software reconfigurable radio processor transceiver transmitter receiver
cell controller base station remote terminal server authentication secured domain digital signature interference spectral mask performance

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
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<tbody>
<tr>
<td>X</td>
<td>EP 1,401,224 A1 (Buijore et al.), 24 March 2004 (24.03.2004) entire document, especially, Figs. 1-4</td>
<td>1, 6, 9, 11, 12, 19</td>
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<td></td>
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<td>2, 4, 7, 14-18</td>
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<td>Y</td>
<td>US 2005/0205666 A1 (Stilp et al.), 22 September 2005 (22.09.2005), Figs. 1,1A,2D,2E,3</td>
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<td>Y</td>
<td>US 2005/0149724 A1 (Graff), 7 July 2005 (07.07.2005), Figs. 1-3,6A-6B</td>
<td>5, 8, 10, 15-17</td>
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Date of the actual completion of the international search
16 July 2007 (16.07.2007)

Date of mailing of the international search report
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