CITC Technical Specification

Document Number: RI002
Revision: Issue 2
Date: 10/01/2010 G

Specification for GSM Base Station and Ancillary Equipment

Issued by The Communications and Information Technology Commission of Saudi Arabia in accordance with article 89 of the Telecommunications Bylaw.

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This publication is a translation. In case of divergence; the original Arabic text shall prevail.
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Scope

This document applies to GSM base station and ancillary equipment.

All telecommunications and radio terminal equipment must comply with the relevant technical specifications established by CITC. In addition, such equipment may be subject to regulations for Declaration of Conformity or registration. See http://www.citc.gov.sa/ for details.

If more than one interface type is offered by a piece of equipment, each interface must meet the applicable technical specifications.

Entry into force

This specification shall enter into force on 10/01/2010 G

Frequency of operation

Following table is showing information on frequency bands, maximum output power and applicable specifications:

<table>
<thead>
<tr>
<th>Frequency band</th>
<th>Maximum Output Power or Magnetic Field</th>
<th>ETSI Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>880 – 890 MHz</td>
<td>30 W e.r.p.</td>
<td>EN 301 502</td>
</tr>
<tr>
<td>890 – 915 MHz</td>
<td>30 W e.r.p.</td>
<td>EN 301 502</td>
</tr>
<tr>
<td>925 – 935 MHz</td>
<td>30 W e.r.p.</td>
<td>EN 301 502</td>
</tr>
<tr>
<td>935 – 942 MHz</td>
<td>30 W e.r.p.</td>
<td>EN 301 502</td>
</tr>
<tr>
<td>942 – 960 MHz</td>
<td>30 W e.r.p.</td>
<td>EN 301 502</td>
</tr>
<tr>
<td>1710 – 1785 MHz</td>
<td>30 W e.r.p.</td>
<td>EN 301 502</td>
</tr>
<tr>
<td>1805 – 1880 MHz</td>
<td>30 W e.r.p.</td>
<td>EN 301 502</td>
</tr>
</tbody>
</table>

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Proof of compliance

It is recommended that test reports are obtained from a laboratory that has been accredited by a body that is a member of the ILAC Mutual Recognition Arrangement.

Technical requirements

Testing should be carried out to ensure compliance with the following specifications as appropriate:

**EN 301 489-1**
Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements.

**EN 301 489-8**
Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 8: Specific conditions for GSM base stations.

**EN 301 502**
Harmonised EN for global system for mobile communications (GSM); Base station and repeater equipment covering essential requirements under Article 3(2) of the R&TTE directive.

If no issue or revision number is quoted along with the title of a technical specification, the latest published version should be used.

General

In addition to meeting the above requirements, all equipment must comply with the requirement of CITC specification GEN001, be safe and must not adversely affect other electrical equipment.

Additional requirements

A licence must be obtained before equipment of this type can be used.

Obtaining technical standards

ETSI technical standards may be obtained free of charge for individual use from the ETSI website www.etsi.org.
Network information (only for network interfaces)

Further information on the characteristics and presentation of network interfaces can be found by visiting operator's website.

Document history

<table>
<thead>
<tr>
<th>Description</th>
<th>Status</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Issue 1</td>
<td></td>
<td>11/03/2006 G</td>
</tr>
<tr>
<td>Issue 2</td>
<td></td>
<td>10/01/2010 G</td>
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</table>