

Description of test configuration

The PCS / GSM Reference design is designed to cover the 900/1800 and 1900 MHz band. The 900/1800 MHz bands are in line with the GSM specification and fulfill the requirements of the GSM MoU as well as the regulatory requirements of the European Union.

This application and the testing done for the reference design are for the GSM 1900 band for the US only. The SAR tests are informative only and show that the design can pass these tests in similar applications. The SAR results however are not representative for handsets.

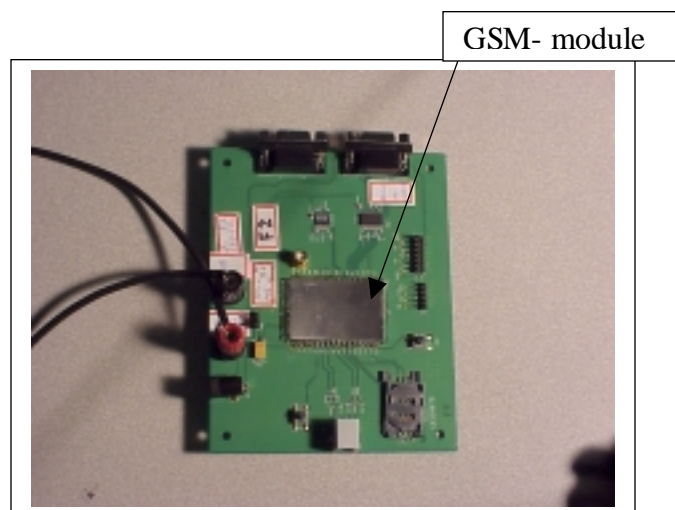
This reference design will be sold to OEM's, which create their own cellular phone or similar application like data module. The radio parameter will not change; the MMI (Man – machine – interface) will be adapted to the different designs. Each OEM has to design it's own antenna and has to apply for his own application. The manual contains the necessary statement.

The Reference design was tested in a non-conductive box, which didn't provide any shielding. The SAR test were only done for body SAR since this application didn't provided a held to ear position. The SAR tests were done with zero distance to the box. The reference design will not be sold to end users only to OEM's.

For the radiated emission tests according the FCC part 24 the measurements were done outside the box on the module level to show compliance independent from the OEM design.

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