



Version
01.00

February
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R&S® FSL-K72 WCDMA 3GPP Application Firmware

Transmitter measurements on WCDMA base station signals

The R&S® FSL-K72 option expands the R&S® FSL spectrum analyzer by adding the capability to perform spectrum and modulation measurements on signals in line with the 3GPP specifications for the FDD mode. Its light weight makes the R&S® FSL suitable for R&D, service and production applications. With the optional battery pack, the R&S® FSL is also ideal for mobile use

Ease of use

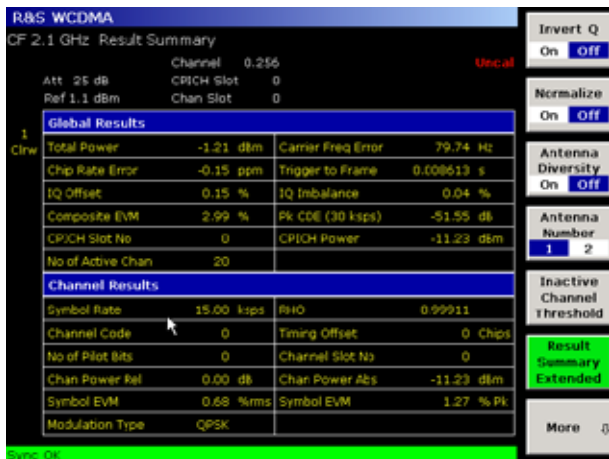
- ◆ Automatic detection of active channels and their data rate
- ◆ Automatic scrambling code detection
- ◆ Automatic detection of modulation formats for HSDPA

Measurements

- ◆ Modulation quality: peak code domain error and EVM
- ◆ Channel table, with an overview of the channels used on the base station
- ◆ Power
- ◆ ACLR
- ◆ Spectrum emission mask
- ◆ CCDF and APD statistics



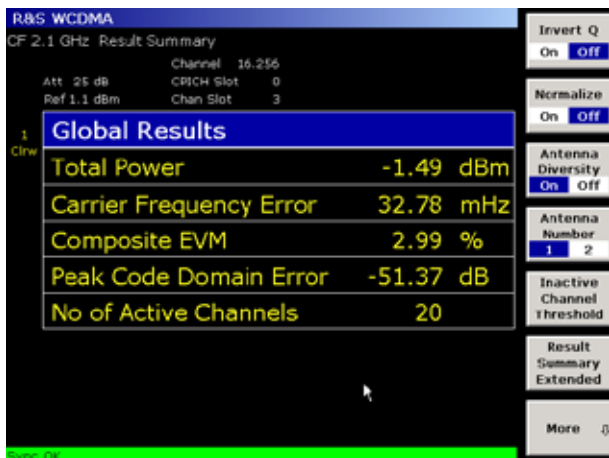
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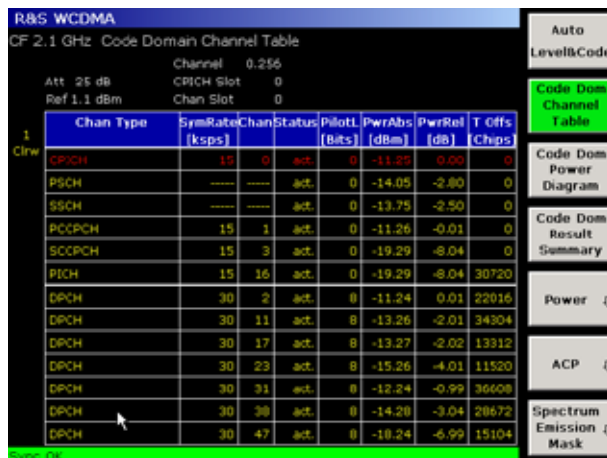
Measurement results for the complete signal such as EVM and peak code domain error as well as results for a single code



The spectrum emission mask measurement is defined with a 30 kHz measurement bandwidth at 2.5 MHz to 3.5 MHz offset from the carrier. From 3.5 MHz to 12.5 MHz, the measurement is performed in a 1 MHz measurement bandwidth. The limit values are in line with 3GPP specifications TS 25.141



Overview of the most important results



Automatic detection of channels and decoding of information. The information about the active channels is presented in a list

Ordering information

Designation	Type	Order number
WCDMA 3GPP Application Firmware for code domain power measurements on base stations	R&S® FSL-K72	1302.0620.02



For specifications, see PD 5213.7277.22 and www.rohde-schwarz.com (search term: FSL-K72)



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