Base Station Analyzer Capable of Measuring 4G Standards and Installed 2G/3G Networks



Anritsu Company introduces the MT8222B BTS Master, its next-generation handheld base station analyzer that supports 4G standards now being deployed, as well as installed 2G/3G networks. Combining the inherent advantages of the BTS Master platform with new measurement capability, the MT8222B provides field engineers and technicians with a lightweight, handheld analyzer that can accurately and quickly measure all the key wireless standards, including LTE, WiMAX, WCDMA/HSDPA, CDMA/EV-DO and GSM/EDGE.

A 20 MHz demodulation capability has been designed into the platform of the MT8222B BTS Master, allowing the instrument to measure LTE and WiMAX signals. Additionally, the MT8222B features a 30 MHz Zero-Span IF output for external demodulation of virtually any other wideband signal. For comprehensive receiver testing, a Vector Signal Generator option is available that covers 400 MHz to 6 GHz and can generate two simultaneously modulated signals, plus noise.

Accurate two-port cable and antenna analysis from 400 MHz to 6 GHz can be conducted with the MT8222B BTS Master. All key measurements - including return loss, cable loss, VSWR and distance-to-fault (DTF)- can be made with the compact analyzer. It can also measure gain, isolation, and insertion loss, to verify sector-toantenna isolation.

The MT8222B BTS Master also has spectrum analysis capability typically found in a benchtop instrument. In spectrum analyzer mode, the instrument has a wide frequency range of 150 kHz to 7.1 GHz, low phase noise of typically -100 dBc/Hz @ 10 kHz offset, low displayed average noise level (DANL) of typically -163 dBm in 1 Hz RBW, and wide dynamic range of >95 dB in 1 Hz RBW.br>br> A number of options are available to configure the MT8222B BTS Master to suit the specific measurement requirements of any field test application. Among the options are a 140 MHz Zero Span IF output with 30 MHz IF bandwidth, a GPS receiver that works with the analyzer?s standard 3.3/5 V Bias Tee that enables connection to BTS site GPS antennas, and frequency output and input with 25 ppb accuracy.br>br> The MT8222B BTS Master features Anritsu's Master Software Tools (MST) and Line Sweep Tools (LST) comprehensive data management and analysis software that

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Published on Wireless Design & Development (http://www.wirelessdesignmag.com)

save significant time when generating reports.br>br> Designed specifically for the field, the MT8222B BTS Master measures only 315 x 211 x 94 (mm), weighs 4.9 kg, and is battery operated. It incorporates Anritsu?s field-proven design, so the MT8222B BTS Master can withstand the harsh environments in which it is used.br>br> The MT8222B BTS Master has a U.S. starting price of \$20,950.00. Delivery is 6 to 8 weeks ARO.br>br>

Source URL (retrieved on 07/25/2014 - 7:51pm):

http://www.wirelessdesignmag.com/product-releases/2011/01/base-station-analyzercapable-measuring-4g-standards-and-installed-2g/3g-networks