

Weak Electric Field Strength Measurement Enabled by built-in Pre-amplifier



Frequency setup by channel No.

Channel power measurement

-90dBm/1.23MHz high-sensitivity measurement

Overview

The U3641 is a lightweight, compact spectrum analyzer ideal for field use.

Weighing only 7kg, this spectrum analyzer can continuously operate with the dedicated battery for approximately 1.5 hours.

The U3641 is an optimum spectrum analyzer for field maintenance of the base station and for electric field strength measurement.

Features

- "User Table" creation available to recall the center frequency setting by channel No.
- Total power measurement within the 1.23MHz band by the power calculation function
- Level-calibrated pre-amplifier is provided as standard. Low-level signals received via antenna can also be measured

Channel input function for optional channel table creation

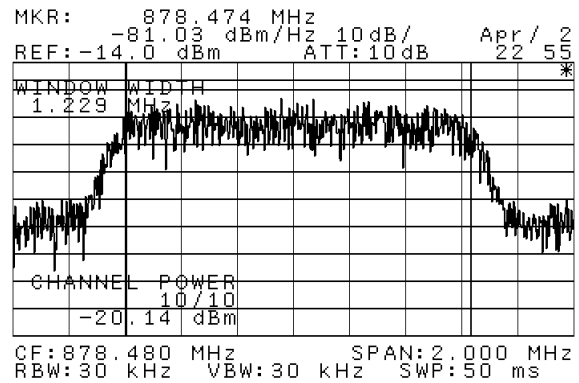
- Two channel tables provided for up to 99-channel settings each
- Center frequency setting by channel No.
- Table save on PCMCIA card to accommodate multiple communication systems



Example Channel Table Input

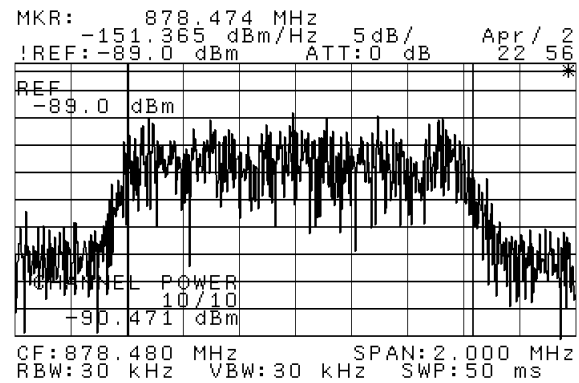
Power Measurement within the Prescribed Band

- Total power measurement is started within the band by only setting the measurement window to 1.23MHz.
 - * Window width can be arbitrary set.
- Count can be designated to average the measurement results.
- Cable or other loss can be input as an offset value.
- RBW accuracy correction achieves more precise power measurement.



Input=-20dBm Pre.Amp=OFF

- Built-in pre-amplifier enables the signal measurement of -90dBm or less (RBW 30kHz).
 - * Measurement range: +20 to -90dBm (Typ.)
 (Pre-amp. ON: -25 to -90dBm (Typ.))
- Amplifier gain need not to be corrected later since the built-in pre-amplifier is already level-calibrated.



Input=-90dBm Pre.Amp=ON



Your Local Representative

ADVANTEST CORPORATION

Shinjuku-NS Building, 4-1, Nishi-Shinjuku 2-chome, Shinjuku-ku, Tokyo 163-0880, Japan
 Phone:+81-3-3342-7500 Facsimile:+81-3-5322-7270 <http://www.advantest.co.jp>

Korea: Advantest Korea Co., Ltd.
China: Advantest (Suzhou) Co., Ltd.
Taiwan: Advantest Taiwan Inc.
Singapore: Advantest (Singapore) Pte. Ltd.
North America: Advantest America Measuring Solutions, Inc.
Europe: Rohde & Schwarz Engineering and Sales GmbH

Phone: +82-2-532-7071
 Phone: +86-21-6485-2725
 Phone: +886-3-5532111
 Phone: +65-6274-3100
 Phone: +1-732-346-2600
 Phone: +49-89-4129-13711